

Certified Mail No.

Activity No.: PER20050008  
Agency Interest No. 2049

Mr. Mike Cohen  
General Manager & Sr. VP of Tech. Engr. Services  
BASF Corporation  
P. O. Box 457  
Geismar, LA 70734-0457

RE: Part 70 Operating Permit, Polyol Unit and Chlorine/Caustic Unloading (CCU), BASF Corporation, Geismar, Ascension Parish, Louisiana

Dear Mr. Cohen:

This is to inform you that the permit renewal and major modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2006, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

Permit No.: 2427-VI

Sincerely

For Public

Notice

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**BASF CORPORATION, GESIMAR FACILITY**  
**POLYOLS PLANT & CHLORINE/CAUSTIC UNLOADING (CCU) FACILITY**  
**PROPOSED PART 70 AIR OPERATING PERMIT MODIFICATION AND RENEWAL**

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 air operating permit modification and renewal for BASF Corporation, P. O. Box 457, Geismar, LA 70734-0457 for the Polyols Plant and CCU Facility. **The facility is located at 8404 River Road, Geismar, LA, Ascension Parish.**

The Polyol Plant and Chlorine/Caustic Unloading (CCU) Facility is part of the Geismar Facility and currently operates under Permit No. 2427-V0, issued November 21, 2000. A Part 70 air operating permit modification and renewal application was received June 25, 2002.

The Geismar Facility is an existing integrated chemical manufacturing facility that has been in operation over 25 years. The Polyol Plant which consists of the Polyols Manufacturing Plant and the Chlorine/Caustic Unloading Facility currently produces polyols (polyhydric alcohols) in a batch operation utilizing propylene oxide (PO) and/or ethylene oxide (EO) with an alcohol initiator using caustic as a catalyst. In addition, two new production lines (GP-3 and GP-4) will be installed. There are two existing production lines (GP-1 and GP-2) which will be modified as part of this project. The new GP-3 Unit process operation will be similar to the GP-2 unit except that solid base ingredients will not be used. The new GP-4 Unit process will operate in a continuous fashion. New storage tanks will be installed for additional raw materials and finished products. Production capacity is being increased from 264 MM lb/year, for the operation of the two original production trains, to 807 MM lbs/year when all four trains are operating.

The estimated emissions in tons per year for this permit modification are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	<0.01	8. 80	+8.80
SO <sub>2</sub>	0.0	0.02	+0.02
NO <sub>x</sub>	0.0	1.89	+1.89
CO	0.0	10.30	+10.30
VOC *	38.00	14.13	-23.87
*Toxic VOCs	38.00 (capped)	8.90	-29.10
Toxic Non-VOC	0.53	4.13	+3.60

Toxic compounds include the following compounds whose Potential to Emit is above the Minimum Emission Rate (MER) listed in LAC 33:III.Chapter 51.Table 51.1: ethylene oxide, monochlorobenzene, propylene oxide, chlorine, and hydrochloric acid.

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received**

**by 12:30 p.m., Tuesday, April 25, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The Part 70 Polyol Plant and CCU Facility air operating permit modification and renewal application, proposed part 70 air operating permit modification and renewal and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737.

Inquiries or requests for additional information regarding this permit action should be directed to Randy Goodman, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-0930.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [maillistrequest@ldeq.org](mailto:maillistrequest@ldeq.org) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permit and statement of basis** can be viewed at the LDEQ permits public notice webpage at [www.deq.state.la.us/news/PubNotice/](http://www.deq.state.la.us/news/PubNotice/) and general information related to the public participation in permitting activities can be viewed at [www.deq.louisiana.gov/portal/tabcid/2198/Default.aspx](http://www.deq.louisiana.gov/portal/tabcid/2198/Default.aspx).

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [http://www.state.la.us/ldbc/listservpage/ldeq\\_pn\\_listserv.htm](http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm).

**All correspondence should specify AI Number 2049, Permit Number 2427-V1, and Activity Number PER20050008.**

**Publication Date:** March 24, 2006

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Polyol Plant and CCU Facility**  
**Agency Interest No.: 2049**  
**BASF Corporation – Geismar Facility**  
**Geismar, Ascension Parish, Louisiana**

**I. Background**

BASF Corporation, Geismar Facility, is an existing integrated chemical manufacturing facility that has been in operation over 25 years. Chemicals produced at the site include: acetylene, amine compounds, aniline, ethylene oxide, ethylene glycol, glyoxal, 1,4-butanediol, n-methyl pyrrolidone, toluene diisocyanate, tetrahydrofuran, polytetrahydrofuran, vinylpyrrolidone, polyvinylpyrrolidone, polyols, butyrolactone, surfactants, and methylene bis phenylisocyanate. The Polyol Plant and Chlorine/Caustic Unloading (CCU) Facility is part of the Geismar Facility and currently operates under Permit No. 2427-V0, issued November 21, 2000.

This is a renewal of the Part 70 operating permit for the facility and includes authorization for a major modification at the site.

**II. Origin**

A permit application and Emission Inventory Questionnaire was submitted by BASF Corporation on June 25, 2002 requesting a modification to the Part 70 operating permit. Additional information dated April 29, 2005, and supplemental information dated June 1, 2005, and February 23, 2006 was also received incorporating both the modification request and the permit renewal application.

**III. Description**

The Polyol Plant consists of the Polyols Manufacturing Plant and the Chlorine/Caustic Unloading Facility.

**Polyols Manufacturing Plant**

The Polyol Plant currently produces polyols (polyhydric alcohols) in a batch operation utilizing propylene oxide (PO) and/or ethylene oxide (EO) with an alcohol initiator using caustic as a catalyst. There are two existing production lines (GP-1 and GP-2).

The existing GP-1 Unit process consists of a series of stirred tanks that operate batch-wise. An alcohol base and caustic are charged to the first tank and free water is stripped. PO and/or EO are then added to make a low molecular weight polyol. This low molecular weight polyol is then transferred to a second reaction vessel where additional PO and/or EO are added. This mixture is then transferred to a third tank where water is added and then is mixed with a solvent. The catalyst is then separated from the polyol and the mixture is transferred to a fourth tank

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where the solvent is separated from the polyol by vacuum. The solvent is condensed, recycled and re-used as part of the process. After the solvent has been removed from the polyol, inhibitors are added to retard oxidation during storage.

The existing GP-2 Unit process is similar to the GP-1 unit process except that a different solvent is used for the catalyst extraction process. The GP-2 Section of the plant uses toluene, while the GP-1x Section usually uses hexane but can use toluene if necessary.

In GP-2, the initiator mixture, after weighing, is charged to a stirred charge tank, where it begins reacting to form short-chain polymers. If necessary, depending upon the product recipe, free water is stripped from the mixture by heating under vacuum. The catalyzed short-chain polymer then goes to a reactor for appropriate reaction temperature adjustment and additional reaction with oxides.

In both unit processes (GP-1 and GP-2), the catalyst is contained in the water phase. After the catalyst is removed from the water phase in a separate operation, the wastewater is sent to treatment.

Currently, the Oxide Scrubber Unit in the Polyols Manufacturing Plant serves as an emission control device for several sources within the plant. It consists of a packed tower that uses an acidic scrubbing medium, pH adjusted water, to remove ethylene oxide (EO) and propylene oxide (PO) from the vent stream. The oxides, which are converted to a propylene glycol and ethylene glycol mixture, are sold as a product. Refrigerated vent stream condensers maximize control of oxide emissions during unloading and transfer operations. Oxides recovered are reused in the process. An upgrade to the pH control system of the Oxide Scrubber Unit, under Permit No. 2427, allowed a controlled maximum pH of 2.0 to be established which resulted in PO emissions removal at 98.1 wt% destruction efficiency and EO emissions removal at 98.2 wt% destruction efficiency across the scrubber. Including the refrigerated vent stream condensers, overall efficiency is 98.9 % for PO and 99.2% for EO. A nitrogen sparging system on the GP-2 Recovery System enhances toluene removal efficiency from final polyols product.

**Chlorine/Caustic Unloading (CCU) Facility**

The CCU Facility serves as a central storage facility within the Geismar complex for chlorine and caustic. Approximately 1,100 tons per day of chlorine are received by pipeline or in rail cars, unloaded and distributed. During unloading and handling, the T-701 and T-702 Chlorine Unloading Towers scrub the vented chlorine with a circulating caustic solution, forming sodium hypochlorite. This material can either be stored for reshipment or neutralized using sodium thiosulfate prior to discharge into the process waste sewer system. Chlorine shipments are made

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on demand to manufacturing plants within the BASF site. The CCU also has a hydrochloric acid (HCl) storage and neutralization facility.

Caustic is delivered to the facility by pipeline. The receiving facility dilutes the 50% caustic to the 20-30% range, and then distributes it to the manufacturing plants on-site. The unloading and distribution capacity is about 1,000 dry tons per day.

A hydrochloric acid (HCl) rail car loading facility was added to the CCU Facility in 1993. The HCl loading facility includes both an acid storage and a neutralization facility. Hydrochloric acid is produced as a byproduct in the MDI and TDI Plants. The facility was designed for loading 200 gpm of 36% HCl into closed dome tank cars for external sales and is located under the existing chlorine unloading structure. The caustic scrubber for the loading facility, HCl Loading Scrubber, removes 99% or more of the HCl vapors.

BASF proposes to make the following changes and modifications to the existing permit. These changes include the addition of new emission sources and changes in operating conditions that will allow an increase in overall plant capacity. A brief summary of the proposed additions and/or changes are shown as follows:

**Plant Capacity Increase**

The two existing production lines (GP-1 and GP-2) will be modified as part of this project. In addition, two new production lines (GP-3 and GP-4) will be installed. New storage tanks will be installed for additional raw materials and finished products. Production capacity is being increased from 264 MM lb/year for GP-1 and GP-2 production trains only to 807 MM lbs/year when all four trains are operating.

The GP-2 Unit will be changed to use new base ingredients and will also eliminate the use of the solvent extraction process. The new bases will include solids such as sucrose and pentaerythritol. Different caustic and low volatile amine catalysts will also be used. The new catalyst removal process will include acid neutralization and adsorption on a solid to remove the catalyst. A new process vessel will be installed in place of one of the existing process vessels.

The new GP-3 Unit process will operate similar to the GP-2 unit process except that solid base ingredients will not be used. In this process, an alcohol base and caustic are charged to the first tank and the free water is stripped. PO and/or EO are then added to make a low molecular weight polyol. This low molecular weight polyol is then transferred to a second reaction vessel where PO and/or EO are added. This mixture is then transferred to a third tank where acids and water is added along with solid adsorbent. The catalyst is then separated from the polyol and

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the mixture transferred to a fourth tank. Water is removed from the polyol by vacuum, and then inhibitors are added to retard oxidation during storage.

The new GP-4 Unit process will operate in a continuous fashion. The process involves simultaneous addition of alcohol base, metal catalyst, PO, and EO in a continuous feed through a series of stirred tank reactors. The finished product is then stripped continuously to remove un-reacted PO and EO, and inhibitors are added while being pumped to storage.

Additional proposed changes include:

1. All existing emission points are being renumbered in the revised permit.
2. The Polyol Flare, Emission Point (EP) PLY01, is being added to the air permit. Installation and operation of this flare was approved in 2002 by an authorization-to-construct associated with implementation of the Polyol MACT (40 CFR 63 Subpart PPP). Specific requirements previously associated with the GP-1 and GP-2 recovery systems are no longer required since installation of the flare. These specific requirements will be removed from the permit.
3. The GP-1x Recovery System, which currently vents to the atmosphere, will vent to the new flare and is renumbered EP PLY01(b). All the GP-2 Recovery System (EP 3-74) equipment will be moved to GP-1x Recovery System and EP 3-74 will be deleted.
4. The Oxide Scrubber Unit, formerly EP 5, which currently vents to the atmosphere, will vent to the flare and will be renumbered PLY01(a).
5. Two existing cooling towers, EPs PLY07 (Polyol Cooling Tower) and CCU04 (CCU Cooling Tower) are being added to the permit.
6. A new cooling tower, EP PLY08 (Polyol Plant Cooling Tower CT-2), is being added to the permit.
7. A hypochlorite storage, cooling tower inhibitor, and brine maker tank will be added for treatment of the new cooling tower. The new cooling tower will have a secondary closed loop associated with it.
8. Two new pressurized PO spheres will be added and will be vented through an existing oxidizer TO-330 or an existing flare (backup) FL-331. Both the oxidizer and the flare (WWT03 and WWR17 respectively) are located in the Utilities area and are part of the Utilities Part 70 Operating Permit No. 2265-V3.
9. Two low-volatile amine storage tanks and one base raw material storage tank will be added to the permit under EP PLY05 (formerly EP 23-87) and one base raw material storage tank (TK-193) will be added as a small source having insignificant activity under LAC 33:III.501.B.5.A.3.
10. EP PLY05 will be updated to include a semi-volatile amine storage tank with a carbon canister.

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11. EP PLY05 will be updated to include 22 new polyol storage tanks and two existing storage tanks with services changed to polyol (transferred from the EO/EG plant).
12. Two new inhibitor tanks will be added as small sources having insignificant activity.
13. The Small Source Exemption for the PS-30 Inhibitor Tank (EP 20-97) is being added to the permit as an Insignificant Activity.
14. Storage tank M-101, originally permitted as venting to EP 23-87, is a carbon dioxide (CO<sub>2</sub>) tank and is being reclassified as an Insignificant Activity.
15. EP PLY05, originally EP 23-87, is listed in the permit as a common vent header. This emission point is intended as a grouping of storage tanks storing very low vapor pressure materials, and does not represent a common vent header. It is being included as a cap value for the tanks associated with this point.
16. Solids Vents, EP PLY09, is being added to the permit and includes two new storage silos and four new solids conveying systems equipped with dust collectors. One solids blender to treat solid catalyst material will also be added and included under EP PLY09.
17. GP-3 Inhibitor Vent, EP PLY10, is being added to the permit.
18. Three new low volatile acid storage tanks and one potassium hydroxide storage tank will be added as small sources having insignificant activity.
19. One new vacuum system will be added to G-2 unit and will be vented to the existing oxide scrubber.
20. The existing G-2 catalyst removal process will be connected to the G-1 Unit.
21. Four new process vessels and two new vacuum systems will be added for the new G-3 unit and will be vented to the existing oxide scrubber.
22. Solid and liquid inhibitors are added to one of the G-3 unit vessels and will be added as a small source having insignificant activity.
23. Seven new process vessels, two new stripping towers, and one vacuum system will be added for the new G-4 unit and will be vented to the existing flare and will also have the capability to vent to the existing scrubber.
24. Two new wastewater treatment vessels and a vacuum system which vent to the existing flare will be added.
25. A new 7,900 gallon inhibitor storage tank (Tank 211) has recently been installed. The inhibitor contains benzenepropanoic acid and is classified an insignificant activity under LCA 33:III.501.B.5.A.3.
26. Alternative Operating Scenario—The GP-1x recovery System, which will vent to the Polyol Plant Flare, utilizes primarily toluene as a solvent, but can use n-hexane under certain circumstances. The emission limits for these solvents for the Polyol Flare, Polyol Plant Fugitives, Polyol Plant Storage Tanks, and Polyol Plant Loading Rack are based on worst-case estimates of toluene emissions. Emission rates on the EIQ are shown as “n-hexane/toluene”.

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27. Clarification of several sources identified under a different emission point are listed in the table below:

<u>New Emission Point No.</u>	<u>Old Emission Point No.</u>	<u>Equipment Description</u>
PLY01	--	Polyol Plant Flare
PLY01(a)	5	Oxide Scrubber Unit
PLY01(b)	6	GP-1x Recovery System
PLY01(b) <sup>a</sup>	3-74	GP-2 Recovery System
PLY02	04-82(A)	GP-2 Inhibitor Vent
PLY03	04-82(B)	GP-1x Inhibitor Vent
PLY04	02-87	Polyol Plant Fugitives
PLY05(a-xx)	23-87(a-w)	Polyol Plant Storage Tanks
PLY06	07-96	Polyol Plant Loading Rack
PLY07	--	Polyol Cooling Tower (CT-1)
PLY08	--	Polyol Cooling Tower (CT-2)
PLY09	--	Solids Vent
PLY10	--	GP-3 Inhibitor Vent
CCU01	01-87	T-702 Chlorine Destruct Tower
CCU02 <sup>b</sup>	01-93	HCl Loading Scrubber
CCU03	02-93	CCU Facility Fugitives
CCU04	--	CCU Cooling Tower

a. Re-routed to GP-1x Recovery System

b. Source consists of two scrubber vents that operate in parallel.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	<0.01	8.80	+8.80
SO <sub>2</sub>	0.0	0.02	+0.02
NO <sub>X</sub>	0.0	1.89	+1.89
CO	0.0	10.30	+10.30
VOC *	38.00	14.13	-23.87

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**\*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Ethylene Glycol	0.01	0.13	+0.12
Ethylene Oxide	0.81	1.18	+0.37
Hexane	24.30	0.25	-24.05
Monochlorobenzene	0.0	0.85	+0.85
Propylene Oxide	6.15	4.04	-2.11
Toluene	12.66	2.45	-10.21
Total	38.00(capped)	8.90	-29.10

**Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Chlorine	0.03	0.13	+0.10
Hydrochloric Acid	0.50	4.00	+3.50
Total	0.53	4.13	+3.60

**\*Other VOC (TPY):** 5.23

**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and Prevention of Significant Deterioration (PSD). New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) apply to various emission points.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a

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person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2006; and in the *Gonzales Weekly*, Gonzales, on <date>, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>, 2006. The draft permit was also submitted to US EPA Region VI on <date>, 2006. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

**VIII. General Condition XVII Activities**

None

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**IX. Insignificant Activities**

ID No.:	Description	Citation
D-121	Raw Material Tank (140 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.2
D-123	Raw Material Tank (120 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.2
D-220	Raw Material Tank (75 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.2
D-221	Raw Material Tank (75 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.2
	PS-30 Inhibitor Tank (20-97)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TK-117	Sulfuric Acid Tank (7,500 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TK-118	Sulfuric Acid Tank (9,500 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TK-122	Sulfuric Acid Tank (7,500 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TK-123	Sulfuric Acid (5%) Tank (9,500 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TK-129	Raw Material Tank (5,700 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TK-251	Wastewater Holding Tank (9,500 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
TK-703	Sodium Thiosulfate Tank (7,600 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
	Ethyl Hexanoic Acid Tank (800 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
	Amine Blow Tank (<1000 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
	Sorbitol Tank (<1000 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.

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TK-193	Phosphoric Acid Tank (11,200 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.4.
	KOH Rail Car Unloading (20 RC/yr)	Insignificant Activity per LAC 33:III.501.B.5.A.4.
	Laboratory Hood Vents	Insignificant Activity per LAC 33:III.501.B.5.A.6.
	Water Washing of Drums (1670 drums/year)	Insignificant Activity per LAC 33:III.501.B.5.A.7.
TK-150	Potassium Hydroxide Tank (25,000 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.10.
	Solid Catalyst Charging (250,000 lb/yr)	Insignificant Activity per LAC 33:III.501.B.5.A.11.
	Amine Catalyst Charging (606,375 lb/yr)	Insignificant Activity per LAC 33:III.501.B.5.A.11.
	Catalyst Charging (50,000 lb/yr)	Insignificant Activity per LAC 33:III.501.B.5.A.11.
TK-702A	Sodium Hypochlorite Tank (7,600 gallons)	Insignificant Activity per LAC 33:III.501.B.5.B.8.
TK-702B	Sodium Hypochlorite Tank (7,600 gallons)	Insignificant Activity per LAC 33:III.501.B.5.B.8.
TK-706	Sodium Hypochlorite Tank (5,600 gallons)	Insignificant Activity per LAC 33:III.501.B.5.B.8.
TK-601A	Sodium Hydroxide Tank (330,000 gallons)	Insignificant Activity per LAC 33:III.501.B.5.B.40.
TK-601B	Sodium Hydroxide Tank (330,000 gallons)	Insignificant Activity per LAC 33:III.501.B.5.B.40.
TK-601C	Sodium Hydroxide Tank (330,000 gallons)	Insignificant Activity per LAC 33:III.501.B.5.B.40.
TK-152	Softened Water Tank (110,000 gallons)	Insignificant Activity per LAC 33:III.501.B.5.C.
TK-215	Demineralized Water Tank (5,000 gallons)	Insignificant Activity per LAC 33:III.501.B.5.C

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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M-101 Pressurized CO2 Tank	Insignificant Activity per LAC 33:III.501.B.5.C.
TK-211 Inhibitor Tank (7,900 gallons)	Insignificant Activity per LAC 33:III.501.B.5.A.3.

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																	
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56	59
GRP 38	Polyol Plant/CCU Plant	1	1	1	1												1	1	1
EQT 235	PLY01 Polyol Plant Flare			1	1	1									1	3		1	
EQT 236	PLY01(a) Oxide Scrubber Unit														1	3		1	
EQT 223	D-117 G-1 Drum																		
EQT 224	D-207 G-2 Drum															3			
EQT 225	D-208 G-2 Drum															3			
EQT 226	D-217 G-2 Drum															3			
EQT 228	D-307 G-3 Drum															3			
EQT 229	D-309 G-3 Drum															3			
EQT 230	D-317 G-3 Drum															3			
EQT 231	D-304 G-3 Drum															3			

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III:Chapter												-	-	-	-	
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56
EQT 232	D-402 G-4 Drum																	
EQT 296	R-104 G-1 Reactor																	
EQT 297	R-105 G-1 Reactor																	
EQT 298	R-204 G-2 Reactor																	
EQT 299	R-205 G-2 Reactor																	
EQT 300	R-304 G-3 Reactor																	
EQT 301	R-305 G-3 Reactor																	
EQT 302	R-404 G-4 Reactor																	
EQT 303	R-405 G-4 Reactor																	
EQT 304	T-401 G-4 Column																	
EQT 305	T-407 G-4 Column																	

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III. Chapter																
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56
EQT 306	Tk-106AX PO Tank						1							3		1		
EQT 307	Tk-106B PO Tank						1						3			1		
EQT 308	Tk-106C PO Tank							1					3			1		
EQT 309	Tk-114X EO Tank								1				3			1		
EQT 233	E-1113 G-1 Exchanger								1	1			3			1		
EQT 234	E-2113 G-1 Exchanger								1	1						1		
EQT 237	PLY01 (b) GP-1x Recovery System								1			1		3		1		
EQT 238	PLY02 GP-2 Inhibitor Vent								1							3		
EQT 239	PLY03 GP-1x Inhibitor Vent								1							3		
FUG 15	PLY04 Polyol Plant Fugitives											1		3		1		
EQT 240	PLY05 Polyol Plant Storage Tanks (Cap)										3					1		

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56
EQT 241	PLY05(a) Tk-130 Polyol Tank						3											
EQT 243	PLY05(b) Tk-131 Polyol Tank						3											1
EQT 245	PLY05(c) Tk-132 Polyol Tank						3											1
EQT 247	PLY05(d) Tk-133 Polyol Tank						3											1
EQT 249	PLY05(e) Tk-134 Polyol Tank						3											1
EQT 251	PLY05(f) Tk-135 Polyol Tank						3											1
EQT 253	PLY05(g) Tk-136 Polyol Tank						3											1
EQT 255	PLY05(h) Tk-137 Polyol Tank						3											1
EQT 257	PLY05(i) Tk-138 Polyol Tank						3											1
EQT 259	PLY05(j) Tk-139 Polyol Tank						3											1
EQT 261	PLY05(k) Tk-140 Polyol Tank						3											1

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	LAC 33:III.Chapter																	
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56	59
EQT 263	PLY05(l) Tk-141 Polyol Tank						3											1	
EQT 265	PLY05(m) Tk-144 Polyol Tank						3											1	
EQT 267	PLY05(n) Tk-145 Polyol Tank						3											1	
EQT 269	PLY05(o) Tk-146 Polyol Tank						3											1	
EQT 271	PLY05(p) Tk-147 Polyol Tank						3											1	
EQT 273	PLY05(q) Tk-148 Polyol Blend Tank						3											1	
EQT 275	PLY05(r) Tk-151 Glycerine Tank						3											3	
EQT 277	PLY05(s) Tk-153 Glycerine Tank						3											3	
EQT 279	PLY05(t) Tk-159 TMP Tank						3											3	
EQT 281	PLY05(u) Tk-200 Slop Polyol Tank						3											1	
EQT 283	PLY05(v) Tk-230 Polyol Tank						3											1	

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56
EQT 285	PLY05(w) Tk-231 Polyol Tank	.					3											1
EQT 287	PLY05(x) Tk-232 Glycols Tank						3											1
EQT 289	PLY05(y) TK-161 Polyol Tank						3											1
EQT 291	PLY05(z) TK-162 Polyol Tank						3											1
EQT 242	PLY05(aa) TK-163 Polyol Tank						3											1
EQT 244	PLY05(bb) TK-164 Polyol Tank						3											1
EQT 246	PLY05(cc) TK-165 Polyol Tank						3											1
EQT 248	PLY05(dd) TK-166 Polyol Tank						3											1
EQT 250	PLY05(ee) TK-167 Polyol Tank						3											1
EQT 252	PLY05(ff) TK-168 Polyol Tank						3											1
EQT 254	PLY05(gg) TK-169 Polyol Tank						3											1

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No:	Description	LAC 33:III. Chapter												LAC 33:III. Chapter				
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56
EQT 256	PL Y05(hh) TK-171 Polyol Tank						3											
EQT 258	PL Y05(ii) TK-172 Polyol Tank						3											1
EQT 260	PL Y05(jj) TK-174 Polyol Tank						3											1
EQT 262	PL Y05(kk) TK-177 Polyol Tank						3											1
EQT 264	PL Y05(l) TK-178 Polyol Tank						3											1
EQT 266	PL Y05(mm) TK-179 Polyol Tank						3											1
EQT 268	PL Y05(nn) TK-180 Polyol Tank						3											1
EQT 270	PL Y05(o) TK-181 Polyol Tank						3											1
EQT 272	PL Y05(pp) TK-182 Polyol Tank						3											1
EQT 274	PL Y05(qq) TK-183 Polyol Tank						3											1
EQT 276	PL Y05(r) TK-184 Polyol Tank						3											1

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ID No.:	Description	LAC 33:III.Chapter												LAC 33:III.Chapter				
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56
EQT 278	PLY05(ss) TK-185 Polyol Tank						3											
EQT 280	PLY05(tt) TK-186 Polyol Tank						3											1
EQT 282	PLY05(uu) TK-191 Ethylene Diamine Tank						3											1
EQT 284	PLY05(vv) TK-192 Diethanolamine Tank						3											3
EQT 286	PLY05(ww) TK-194 Dipropylene Glycol Tank						3											3
EQT 290	PLY05(yy) FB-5323 Polyol Tank						3											1
EQT 292	PLY06 Polyol Plant Loading Rack							3										1
EQT 293	PLY07 Polyol Plant Cooling Tower (CT-1)																	1
EQT 294	PLY08 Polyol Plant Cooling Tower (CT-2)																	1
FUG 16	PLY09 Solids Vent						1											3
EQT 295	PLY10 GP-3 Inhibitor Vent						1											

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5▲	9	11	13	15	2103	2107	2111	2113	2115	2122	2149	2153	29*	51*	53	56	59
EQT 220	CCU01 T-702 Chlorine Destruct Tower																		
EQT 221	CCU02 HCl Loading Scrubber																		1
FUG 14	CCU03 CCU Fugitives																		1
EQT 222	CCU04 CCU Cooling Tower																		1
EQT 524	Wastewater Streams																	2	1

\* The regulations indicated above are State Only regulations.

- ▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

### KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
  - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these

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requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR									
		A	K	Ka	Kb	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	NNNN	dd	51	64	68
GRP 38	Polyol Plant/CCU Plant																						
EQT 235	PLY01 Polyol Plant Flare																						
EQT 236	PLY01(a) Oxide Scrubber Unit																						
EQT 223	D-117 G-1 Drum																						
EQT 224	D-207 G-2 Drum																						

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ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR											
		A	K	Kb	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	pp	NNNN	51	64	68
EQT 225	D-208 G-2 Drum																					
EQT 226	D-217 G-2 Drum																					
EQT 228	D-307 G-3 Drum																					
EQT 229	D-309 G-3 Drum																					
EQT 230	D-317 G-3 Drum																					
EQT 231	D-304 G-3 Drum																					
EQT 232	D-402 G-4 Drum																					
EQT 296	R-104 G-1 Reactor																		3			
EQT 297	R-105 G-1 Reactor																		3			
EQT 298	R-204 G-2 Reactor																		3			

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ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR													
		A	K	Ka	Kb	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	dd	NNNN	51	64	68	82
EQT 299	R-205 G-2 Reactor																							
EQT 300	R-304 G-3 Reactor																							
EQT 301	R-305 G-3 Reactor																							
EQT 302	R-404 G-4 Reactor																							
EQT 303	R-405 G-4 Reactor																							
EQT 304	T-401 G-4 Column																							
EQT 305	T-407 G-4 Column																							
EQT 306	Tk-106AX PO Tank																							
EQT 307	Tk-106B PO Tank																							
EQT 308	Tk-106C PO Tank																							

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ID No.	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR											
		A	K	Kb	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	PPP	NNNN	51	64	68
EQT 309	Tk-114X EO Tank				3																	
EQT 233	E-1113 G-1 Exchanger																					
EQT 234	E-2113 G-1 Exchanger																					
EQT 237	PLY01 (b) GP-1x Recovery System																					
EQT 238	PLY02 GP-2 Inhibitor Vent																					
EQT 239	PLY03 GP-1x Inhibitor Vent																					
FUG 15	PLY04 Polyol Plant Fugitives																	1		1		
EQT 240	PLY05 Polyol Plant Storage Tanks (Cap)																					
EQT 241	PLY05(a) Tk-130 Polyol Tank					3												1		1		
EQT 243	PLY05(b) Tk-131 Polyol Tank					3												1		1		

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ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR											
		A	Ka	Kb	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	ddd	NNNN	51	64	68
EQT 245	PLY05(c) Tk-132 Polyol Tank	3																1		1		
EQT 247	PLY05(d) Tk-133 Polyol Tank	3																1		1		
EQT 249	PLY05(e) Tk-134 Polyol Tank	3																1		1		
EQT 251	PLY05(f) Tk-135 Polyol Tank	3																1		1		
EQT 253	PLY05(g) Tk-136 Polyol Tank	3																1		1		
EQT 255	PLY05(h) Tk-137 Polyol Tank	3																1		1		
EQT 257	PLY05(i) Tk-138 Polyol Tank	3																1		1		
EQT 259	PLY05(j) Tk-139 Polyol Tank	3																1		1		
EQT 261	PLY05(k) Tk-140 Polyol Tank	3																1		1		
EQT 263	PLY05(l) Tk-141 Polyol Tank	3																1		1		

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ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR									
		A	K <sub>a</sub>	K <sub>b</sub>	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	P <sub>pp</sub>	NNNN	51	64	68	82
EQT 265	PLY05(m) Tk-144 Polyol Tank	3																1		1			
EQT 267	PLY05(n) Tk-145 Polyol Tank	3																1		1			
EQT 269	PLY05(o) Tk-146 Polyol Tank	3																1		1			
EQT 271	PLY05(p) Tk-147 Polyol Tank	3																1		1			
EQT 273	PLY05(q) Tk-148 Polyol Blend Tank	3																1		1			
EQT 275	PLY05(r) Tk-151 Glycerine Tank	3																2		2			
EQT 277	PLY05(s) Tk-153 Glycerine Tank	3																2		2			
EQT 279	PLY05(t) Tk-159 TMP Tank	3																2		2			
EQT 281	PLY05(u) Tk-200 Slop Polyol Tank	3																1		1			
EQT 283	PLY05(v) Tk-230 Polyol Tank	3																1		1			

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ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	K	Ka	Kb	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	dd	NNNN	51	64	68	82	
EQT 285	PLY05(w) TK-231 Polyol Tank																								
EQT 287	PLY05(x) TK-232 Glycols Tank																								
EQT 289	PLY05(y) TK-161 Polyol Tank																								
EQT 291	PLY05(z) TK-162 Polyol Tank																								
EQT 242	PLY05(aa) TK-163 Polyol Tank																								
EQT 244	PLY05(bb) TK-164 Polyol Tank																								
EQT 246	PLY05(cc) TK-165 Polyol Tank																								
EQT 248	PLY05(dd) TK-166 Polyol Tank																								
EQT 250	PLY05(ee) TK-167 Polyol Tank																								
EQT 252	PLY05(ff) TK-168 Polyol Tank																								

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR														
		A	K	Ka	Kb	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	PP	dd	NNNN	ZZ	51	64	68
EQT 254	PLY05(gg) TK-169 Polyol Tank					3													1		1				
EQT 256	PLY05(hh) TK-171 Polyol Tank					3													1		1				
EQT 258	PLY05(ii) TK-172 Polyol Tank					3													1		1				
EQT 260	PLY05(jj) TK-174 Polyol Tank					3													1		1				
EQT 262	PLY05(kk) TK-177 Polyol Tank					3													1		1				
EQT 264	PLY05(ll) TK-178 Polyol Tank					3													1		1				
EQT 266	PLY05(mm) TK-179 Polyol Tank					3													1		1				
EQT 268	PLY05(nn) TK-180 Polyol Tank					3													1		1				
EQT 270	PLY05(oo) TK-181 Polyol Tank					3													1		1				
EQT 272	PLY05(pp) TK-182 Polyol Tank					3													1		1				

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ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR													
		A	K	Kb	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	PP	NNNN	ZZZ	51	64	68	82
EQT 274	PLY05(qq) TK-183 Polyol Tank				3													1		1				
EQT 276	PLY05(rr) TK-184 Polyol Tank				3													1		1				
EQT 278	PLY05(ss) TK-185 Polyol Tank				3													1		1				
EQT 280	PLY05(tt) TK-186 Polyol Tank				3													1		1				
EQT 282	PLY05(uu) TK-191 Ethylene Diamine Tank				3													3		3				
EQT 284	PLY05(vv) TK-192 Diethanolamine Tank				3													1		1				
EQT 286	PLY05(ww) TK-194 Dipropylene Glycol Tank				3													3		3				
EQT 290	PLY05(yy) FB-5323 Polyol Tank				3													1		1				
EQT 292	PLY06 Polyol Plant Loading Rack																	1		3				
EQT 293	PLY07 Polyol Plant Cooling Tower (CT-1)																	1		3	1			

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ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR									
		A	K	K <sub>a</sub>	K <sub>b</sub>	V	I	N	R	Y	A	M	FF	A	F	G	H	Q	dd	NNNN	51	64	68
EQT 294	PLY08 Polyol Plant Cooling Tower (CT-2)																	1	3	1			
FUG 16	PLY09 Solids Vent																			3			
EQT 295	PLY10 GP-3 Inhibitor Vent																			3			
EQT 220	CCU01 T-702 Chlorine Destruct Tower																			2			
EQT 221	CCU02 HCl Loading Scrubber																			1			
FUG 14	CCU03 CCU Fugitives																		3	1			
EQT 222	CCU04 CCU Cooling Tower																		3	3			
EQT 524	Wastewater Streams																		1	1			

## **LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

### **Polyol Plant and CCU Facility**

**Agency Interest No.: 2049**

**BASF Corporation – Geismar Facility  
Geismar, Ascension Parish, Louisiana**

### **KEY TO MATRIX**

- 1** - The regulations have applicable requirements that apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2** -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3** - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

**Blank – The regulations clearly do not apply to this type of emission source.**

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
Polyol Plant/ CCU Plant	NESHAP Subpart FF - Standard for Benzene Waste Operations [40 CFR 61.342]	<b>EXEMPT.</b> Facility handles less than 10 Mg/yr of benzene waste. Recordkeeping and Reporting requirements apply. [40 CFR 61.357(a)]
	Compliance Assurance Monitoring (CAM) [40 CFR 64]	<b>DOES NOT APPLY.</b> Facility does not meet requirements of 40 CFR 64.2.
EQT 235 Polyol Plant Flare, EQT 233 E-113 Exchanger, EQT 234 E-213 Exchanger, EQT 237 GP-1X Recovery System	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]  Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1513]	<b>EXEMPT.</b> Units emit less than 250 tons of SO <sub>2</sub> per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO <sub>2</sub> standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
EQT 235 Polyol Plant Flare, EQT 236 Oxide Scrubber, EQT 237 GP-1X, EQT 306 Tk-106AX, EQT 307 Tk- 106B, EQT 308 Tk-106C, EQT	Limiting Emissions from Batch Processing [LAC 33:III.2149]	<b>EXEMPT.</b> The Oxide Scrubber is an existing control device with a control efficiency of ≥90% for VOC. Recordkeeping and Reporting requirements do not apply. [LAC 33:III.2149.A.2.c]

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ID No.	Requirement	Notes
309 Tk-114X, EQT 233 D-117, EQT 224 D-207, EQT 225 D-208, EQT 226 D-217, EQT 228 D-307, EQT 229 D-309, EQT 230 D-317, EQT 231 D-304, EQT 232 D-402, EQT 296 R-104, EQT 297 R-105, EQT 298 R-204, EQT 299 R-205, EQT 300 R-304, EQT 301 R-305, EQT 302 R-404, EQT 303 R-405, EQT 304 T-401, EQT 305 T-407		

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ID No:	Requirement	Notes
EQT296 R-104, EQT 297 R-105, EQT 298 R-204, EQT 299 R-205, EQT 300 R-304, EQT 301 R-305, EQT 302 R-404, EQT 303 R-405	NSPS Subpart RRR – Standards of Performance for VOC Emissions from SOCMI Reactor Operations [40 CFR 60.700]	<b>DOES NOT APPLY.</b> Polyol is not a listed SOCMI chemical per 40 CFR 60.707. Ethylene glycol and propylene glycol, byproducts produced in the Oxide Scrubber Unit, are listed but are not part of the affected facility.
EQT 304 T-401, EQT 305 T-407	NSPS Subpart NNN – Standards of Performance for VOC Emissions from SOCMI Distillation Operations [40 CFR 60.660]	<b>DOES NOT APPLY.</b> Polyol is not a listed SOCMI chemical per 40 CFR 60.667. Ethylene glycol and propylene glycol, byproducts produced in the Oxide Scrubber Unit, are listed but are not part of the affected facility.
EQT 238 GP-2 Inhibitor Vent, EQT 239 GP-1x Inhibitor Vent, FUG 16 Solids Vent, EQT295 GP-3 Inhibitor Vent	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	<b>DOES NOT APPLY.</b> Sources do not emit any TAPs.
	NESHAP Subpart PPP – Polyether Polyols Production [40 CFR 63 Subpart PPP]	<b>DOES NOT APPLY.</b> Sources do not emit any OHAPs. [40 CFR 63.1425]

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ID No:	Requirement	Notes
FUG 15 Polyol Plant Fugitives	NSPS Subpart VV –Equipment Leaks of VOC in the SOCM [40 CFR 60 Subpart VV]	DOES NOT APPLY. The Polyol Plant does not produce, as an intermediate or final product, any of the chemicals listed under this subpart. [40 CFR 60.489]
	Fugitive Emission Control for Ozone Non-attainment Areas [LAC 33.III.2122]	DOES NOT APPLY. The Polyol Plant does not meet the definition of an affected source. [LAC 33.III.2122.A.1]
EQT 275 TK-151 PLY05(r) and EQT 279 TK-159 (t) Polyol Plant Storage Tanks	Storage of Volatile Organic Compounds [LAC 33.III.2103.A]	DOES NOT APPLY. Vapor pressure of stored liquid is <1.5 psia.
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33.III.5109]	DOES NOT APPLY. Tank does not contain any TAPs.
	NSPS Subpart K – Standards of Performance for Storage Vessels for Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and Prior to May 19, 1978. [40 CFR 60.110]	DOES NOT APPLY. Storage tank is less than 40,000 gallons, was constructed prior to June 1973, and does not store petroleum liquids.
	NESHAP Subpart G – Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63 Subpart G]	DOES NOT APPLY. The tank does not contain any Organic Hazardous Air Pollutants (OHAPs). [40 CFR 63.111]

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ID No:	Requirement	Notes
	NESHAP Subpart PPP – Polyether Polyols Production [40 CFR 63 Subpart PPP]	<b>DOES NOT APPLY.</b> Sources do not emit any OHAPs. [40 CFR 63.1425]
EQT 277 TK-153 PLY05(s) Polyol Plant Storage Tank	Storage of Volatile Organic Compounds [LAC 33:III.2103.B]	<b>DOES NOT APPLY.</b> Vapor pressure of stored liquid is <1.5 psia.
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	<b>DOES NOT APPLY.</b> Tank does not contain any TAPs.
	NSPS Subpart K – Standards of Performance for Storage Vessels for Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and Prior to May 19, 1978. [40 CFR 60.110]	<b>DOES NOT APPLY.</b> Storage tank was constructed prior to June 1973 and does not store petroleum liquids.
	NESHAP Subpart G – Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63 Subpart G]	<b>DOES NOT APPLY.</b> The tank does not contain any Organic Hazardous Air Pollutants (OHAPs). [40 CFR 63.111]
	NESHAP Subpart PPP – Polyether Polyols Production [40 CFR 63 Subpart PPP]	<b>DOES NOT APPLY.</b> Sources do not emit any OHAPs. [40 CFR 63.1425]
PLY05(a-q) and (xx-yy) Polyol	Storage of Volatile Organic Compounds [LAC 33:III.2103.B]	<b>DOES NOT APPLY.</b> Vapor pressure of stored liquid is <1.5 psia.

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ID No:	Requirement	Notes
Plant Storage Tanks EQT 241 TK-130, EQT 243 TK-131, EQT 245 TK-132, EQT 247 TK-133, EQT 249 TK-134, EQT 251 TK-135, EQT 253 TK-136, EQT 255 TK-137, EQT 257 TK-138, EQT 259 TK-139, EQT 261 TK-140, EQT 263 TK-141, EQT 265 TK-144, EQT 267 TK-145, EQT 269 TK-146, EQT 271 TK-147, EQT 273 TK-148, and EQT 290 FB-5323	NSPS Subpart K – Standards of Performance for Storage Vessels for Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and Prior to May 19, 1978. [40 CFR 60.110]	DOES NOT APPLY. Storage tank was constructed prior to June 1973 and does not store petroleum liquids.
	NESHAP Subpart G – Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63 Subpart G]	DOES NOT APPLY. Group 2 storage vessel. No controls required. Maintain required records. [40 CFR 63.123(a)]
	NESHAP Subpart PPP – Polyether Polyols Production [40 CFR 63 Subpart PPP]	DOES NOT APPLY. Sources do not emit any OHAPs. [40 CFR 63.1425]

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ID No:	Requirement	Notes
PLY05(u-x) Polyol Plant Storage Tanks EQT 281 TK-200, EQT 283 TK-230, EQT 285 TK-231, and EQT 287 TK- 232	Storage of Volatile Organic Compounds [LAC 33:III.2103.B]	<b>DOES NOT APPLY.</b> Vapor pressure of stored liquid is <1.5 psia.
PLY05(uu) Polyol Plant Storage Tank EQT 282 TK-191	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum liquids for Which Construction, Reconstruction, or Modification Commences after May 18, 1978 and Prior to July 23, 1984. [40 CFR 60.110a] NSHAP Subpart G – Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63 Subpart G]	<b>DOES NOT APPLY.</b> Storage tank does not store petroleum liquids.  <b>DOES NOT APPLY.</b> Group 2 storage vessel. No controls required. Maintain required records. [40 CFR 63.123(a)]
PLY05(uu) Polyol Plant Storage Tank EQT 282 TK-191	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	<b>DOES NOT APPLY.</b> Vapor pressure of stored liquid is <1.5 psia.
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	<b>DOES NOT APPLY.</b> Tank does not contain any TAPs.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	<b>DOES NOT APPLY.</b> Storage tank capacity is less than 75 m <sup>3</sup> .

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ID No:	Requirement	Notes
	NESHAP Subpart G – Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63 Subpart G]	<b>DOES NOT APPLY.</b> This tank does not contain OHAPs.
	NESHAP Subpart PPP – Polyether Polyols Production [40 CFR 63 Subpart PPP]	<b>DOES NOT APPLY.</b> Sources do not emit any OHAPs. [40 CFR 63.1425]
PLY05(ww) Polyol Plant Storage Tank EQT 286 TK-194	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	<b>DOES NOT APPLY.</b> Vapor pressure of stored liquid is <1.5 psia.
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	<b>DOES NOT APPLY.</b> Tank does not contain any TAPs.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	<b>DOES NOT APPLY.</b> Vapor pressure of stored liquid is <0.5 psia (<3.5kPa).
	NESHAP Subpart G – Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63 Subpart G]	<b>DOES NOT APPLY.</b> Tank does not contain any OHAPs.

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ID No:	Requirement	Notes
	NESHAP Subpart PPP – Polyether Polyols Production [40 CFR 63 Subpart PPP]	<b>DOES NOT APPLY.</b> Sources do not emit any OHAPs. [40 CFR 63.1425]
PLY05(y-bb), (dd), (ff-ii), Polyol Plant Storage Tanks EQT 289 TK-161, EQT 291 TK 162, EQT 242 TK 163,	Storage of Volatile Organic Compounds [LAC 33.III.2103.B]  NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	<b>DOES NOT APPLY.</b> Vapor pressure of stored liquid is <1.5 psia.  <b>DOES NOT APPLY.</b> Subject to HON. Will comply with 40 CFR 63 Subpart G.

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ID No:	Requirement	Notes
EQT 244 TK 164, EQT 246 TK 165, EQT 248 TK 166, EQT 250,TK 167, EQT 252 TK 168, EQT 254 TK 169, EQT 256 TK 171, EQT 258 TK 172, EQT 260 TK 174, EQT 262 TK 177, EQT 264 TK 178, EQT 266 TK 179, EQT 268 TK 180, EQT 270 TK 181, EQT 272 TK 182, EQT 274 TK 183, EQT 276 TK 184, EQT 278 TK 185, EQT 280 TK 186, &EQT 284 TK-192	NESHAP Subpart G – Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63 Subpart G]	<b>DOES NOT APPLY.</b> Group 2 storage vessel. Vapor pressure of material stored <1.9 psia. No controls required. Maintain required records. [40 CFR 63.123(a)]
PLY06 Polyol Plant Loading Rack EQT 292	Volatile Organic Compounds – Loading [LAC 33:III.2107.A]	<b>DOES NOT APPLY.</b> Vapor pressure of the liquid at loading conditions is <1.5 psia.

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ID No:	Requirement	Notes
	NESHAP Subpart G – Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63 Subpart G]	<b>DOES NOT APPLY.</b> Group 2 transfer rack. Vapor pressure of material stored <1.5 psia. No controls required. Maintain required records. [40 CFR 63.129]
	NESHAP Subpart PPP – Hazardous Air Pollutant Emissions for Polyether Polyols Production [40 CFR 63 Subpart PPP]	<b>DOES NOT APPLY.</b> Loading rack only transfers liquids containing HAPs as impurities. [40 CFR 63.1420(c)(10)]
PLY07 Polyol Plant Cooling Tower (CT-1) EQT 293, & PLY08 Polyol Plant Cooling Tower (CT-2) EQT 294	NESHAP Subpart F – Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry – Heat Exchange Systems [40 CFR 63 Subpart F]	<b>EXEMPT.</b> Both cooling towers will be operated so that the minimum pressure is at least 35 kPa (5.1 psi) above the maximum process pressure. [40 CFR 63.104(a)]
CCU01 T-702 Chlorine Destruct Tower EQT 220	NESHAP Subpart Q – Emission Standards for Organic Hazardous Air Pollutants For Industrial Process Cooling Towers [40 CFR 63 Subpart Q]	<b>DOES NOT APPLY.</b> No chromium-based water treatment chemicals are used.
	NESHAP Subpart NNNNN – Hydrochloric Acid Production [40 CFR 63 Subpart NNNNN]	<b>DOES NOT APPLY.</b> This source is not associated with the production of HCl.

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ID No:	Requirement	Notes
CCU02 HCl Loading Scrubber EQT 221	NESHAP Subpart F – Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry – Applicability and Designation of Source [40 CFR 63 Subpart F]	<b>DOES NOT APPLY.</b> Source does not qualify as subject source due to the impurity status of the OHAP in the loaded mixture. [40 CFR 63.100(f)(9)]
Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]		<b>DOES NOT APPLY.</b> Emits only Class III TAPs.
CCU03 CCU Fugitives FUG14	NESHAP Subpart H – Organic Hazardous Air Pollutants for Equipment Leaks [40 CFR 63 Subpart H]	<b>DOES NOT APPLY.</b> Sources do not emit any VOHAPs.
CCU04 CCU Cooling Tower EQT 222	NESHAP Subpart F – Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry – Heat Exchange Systems [40 CFR 63 Subpart F]	<b>DOES NOT APPLY.</b> No OHAPs are present in the heat exchange system.
	NESHAP Subpart Q – Emission Standards for Organic Hazardous Air Pollutants For Industrial Process Cooling Towers [40 CFR 63 Subpart Q]	<b>DOES NOT APPLY.</b> No chromium-based water treatment chemicals are used.
Wastewater Streams EQT 524	Limiting VOC Emissions from Industrial Wastewater [LAC 33:III.2153.B]	<b>EXEMPT.</b> The Polyol Plant is subject to the NESHAP Subpart G wastewater provisions; therefore, it is exempt per LAC 33:III.2153. G. 6.

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ID No:	Requirement	Notes
	NSPS Subpart YYY – SOCMI Wastewater [40 CFR 60.770 proposed]	DOES NOT APPLY. Compliance with Subpart YYY is achieved by complying with the NESHAP Subpart G. [40 CFR 60.774(a)(2)(i) proposed]
EQT 306 TK-106AX, EQT 307 TK-106B, EQT 308 TK-106C, EQT 309 TK-114X	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tanks are pressure spheres designed to operate in excess of 204.9 kPa, and without emissions to the atmosphere. [40 CFR 60.110b(d)(2)]

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## **40 CFR PART 70 GENERAL CONDITIONS**

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

## **40 CFR PART 70 GENERAL CONDITIONS**

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

## **40 CFR PART 70 GENERAL CONDITIONS**

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  5. changes in emissions would not qualify as a significant modification; and
  6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

## **40 CFR PART 70 GENERAL CONDITIONS**

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

## **40 CFR PART 70 GENERAL CONDITIONS**

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated June 25, 2002, a revised application dated April 29, 2005, and supplemental information dated June 1, 2005, and February 23, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
  2. Report by September 30 to cover April through June
  3. Report by December 31 to cover July through September
  4. Report by March 31 to cover October through December

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

**General Information**

AI ID: 2049 BASF Corp

Activity Number: PER20050008

Permit Number: 2427-V1

Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	1923606-001w	Tax Exempt No	Accident Prevention	11-20-1989
0180-00013		BASF Corp - Geismar Site	CDS Number	05-27-1993
0180-0013		BASF Corp - Geismar Site	Emission Inventory	02-25-2004
LADD040776809		BASF Corp	Hazardous Waste Notification	08-13-1980
PMT/PC/CA		GRPA Baselines	Hazardous Waste Permitting	10-01-1997
00095		BASF Corp	Inactive & Abandoned Sites	06-09-1981
LAD040776809		BASF Wyandotte Corp	Inactive & Abandoned Sites	06-09-1981
LA0002950		WPC File Number	LPDES Permit #	05-22-2003
LAR10A929		NPDES Fed Number	LPDES Permit #	05-22-2003
LAR10B055		WPC File Number	LPDES Permit #	05-22-2003
LAR10B264		LPDES #	LPDES Permit #	03-21-2003
LAR10B444		LPDES #	LWDPS Permit #	12-12-2004
WP2101		WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-2304-101		Radioactive Material License	Radiation License Number	11-03-2000
GD-005-1425		Site ID #	Solid Waste Facility No.	12-11-2000
104720		BASF Corp	TEMPO Merge	05-17-2004
11412		BASF Wyandotte	TEMPO Merge	10-30-2000
16872		BASF Corp - Ecology	TEMPO Merge	12-11-2002
19954		BASF Wyandotte Corp Geismar Works Chem Div	TEMPO Merge	10-30-2000
38802		BASF Corp	TEMPO Merge	10-30-2000
40717		BASF Corp	TEMPO Merge	10-30-2000
49922		BASF Wyandotte Corp	TEMPO Merge	08-23-2004
87014		BASF Corp - Site Drainage Improvements Phase 2	TEMPO Merge	
0180-0013		Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
70734BSFCRRIVER		TRI #	Toxic Release Inventory	07-09-2004
03000346		UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
WQC 000831-04		BASF Corp - Site Drainage Improvements Phase 2	Water Certification	10-18-2000
WQC 9B0504-02		Water Quality Certification #	Water Certification	12-03-2002
WQC 990720-02		Water Quality Certification #	Water Certification	07-20-1999
WQC RC 040914-03		Water Quality Certification # Tank Terminal & Road Project	Water Certification	09-15-2004

Physical Location:

8404 Hwy 75  
Geismar, LA 70734Main FAX: 2253392369  
Main Phone: 2253397300

**General Information**

AI ID: 2049 BASF Corp

Activity Number: PER20050008

Permit Number: 2427-V1

Air - Title V Regular Permit Renewal

**Mailing Address:**  
PO Box 457  
Geismar, LA 707340457

**Location of Front Gate:** 30° 12' 37" 61 hundredths latitude, 91° 0' 54" 94 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83

**Related People:**

Name	Mailing Address	Phone (Type)	Relationship
Bryan Brooks	PO Box 457 Geismar, LA 707340457	2253392963 (WP)	Accident Prevention Contact for
Bryan Brooks	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Accident Prevention Contact for
Bryan Brooks	PO Box 457 Geismar, LA 707340457	2253392963 (WP)	Accident Prevention Billing Party for
Bryan Brooks	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Accident Prevention Billing Party for
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392043 (NP)	Water Permit Contact For
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Water Permit Contact For
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392043 (NP)	Solid Waste Billing Party for
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392043 (NP)	Haz. Waste Billing Party for
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392043 (NP)	Water Billing Party for
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Water Billing Party for
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Haz. Waste Billing Party for
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Solid Waste Billing Party for
Eric Hillman	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Radiation Safety Officer for
Tanner Martinez	PO Box 457 Geismar, LA 707340457	2253397309 (NP)	Radiation License Billing Party for
Tanner Martinez	PO Box 457 Geismar, LA 707340457	2253397309 (NP)	Radiation License Billing Party for
Tanner Martinez	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Radiation License Billing Party for
Tanner Martinez	PO Box 457 Geismar, LA 707340457	2257153741 (CP)	Radiation License Billing Party for
Tanner Martinez	PO Box 457 Geismar, LA 707340457	2257153741 (CP)	Radiation Safety Officer for
Tanner Martinez	PO Box 457 Geismar, LA 707340457	2253392369 (WF)	Radiation Safety Officer for
<b>Related Organizations:</b>	<b>Name</b>	<b>Phone (Type)</b>	<b>Relationship</b>
BASF Corp	PO Box 457 Geismar, LA 707340457	2253397300 (NP)	Operates
BASF Corp	PO Box 457 Geismar, LA 707340457	2253397300 (NP)	Owns
BASF Corp	PO Box 457 Geismar, LA 707340457	2253397300 (NP)	Air Billing Party for
BASF Corp	PO Box 457 Geismar, LA 707340457	2253397300 (NP)	UST Billing Party for
Turner Industrial LLC	8687 United Plaza Blvd Baton Rouge, LA 70809		Agent of Service for
<b>SIC Codes:</b>			
2812, Alkalies and chlorine			
2899, Industrial organic chemicals, nec			
4911, Electric services			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 2049 - BASF Corp  
 Activity Number: PER20050008  
 Permit Number: 2427-V1  
 Air - Title V Regular Permit Renewal

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ACT001	SU/SD - Startup/Shutdown Activities				(None Specified)	
EQT220	CCU01 - T-702 Chlorine Destruct Tower	1050 MM lbs/yr			8760 hr/yr (All Year)	
EQT221	CCU02 - HCl Loading Scrubber	1100 MM lbs/yr			8760 hr/yr (All Year)	
EQT222	CCU04 - CCU Cooling Tower	2000 gallons/min	2000 gallons/min		8760 hr/yr (All Year)	
EQT223	D-117 - G1 Drum	94 ft^3			8760 hr/yr (All Year)	
EQT224	D-207 - G2 Drum	5831 ft^3			8760 hr/yr (All Year)	
EQT225	D-208 - G2 Drum	502 ft^3			8760 hr/yr (All Year)	
EQT226	D-217 - G2 Drum	94 ft^3			8760 hr/yr (All Year)	
EQT228	D-307 - G3 Drum	233 m^3			8760 hr/yr (All Year)	
EQT229	D-309 - G3 Drum	233 m^3			8760 hr/yr (All Year)	
EQT230	D-317 - G3 Drum	5 m^3			8760 hr/yr (All Year)	
EQT231	D-304 - G3 Drum	.1 m^3			8760 hr/yr (All Year)	
EQT232	D-402 - G4 Drum				8760 hr/yr (All Year)	
EQT233	E-113 - G1 Exchanger (direct to flare)		3000 lb/hr		8760 hr/yr (All Year)	
EQT234	E-213 - G1 Exchanger (direct to flare)		3000 lb/hr	6.35 MM BTU/hr	8760 hr/yr (All Year)	
EQT235	PLY01 - Polyol Plant Flare	82.2 MM BTU/hr			8760 hr/yr (All Year)	
EQT236	PLY01(a) - Oxide Scrubber Unit				8760 hr/yr (All Year)	
EQT237	PLY01(b) - GP-1x Recovery System				728 hr/yr (All Year)	
EQT238	PLY02 - GP-2 Inhibitor Vent			127500 gallons/yr	728 hr/yr (All Year)	
EQT239	PLY03 - GP-1x Inhibitor Vent			247500 gallons/yr	728 hr/yr (All Year)	
EQT240	PLY05 - Polyol Plant Storage Tanks				8760 hr/yr (All Year)	
EQT241	PLY05(a) - TK-130 Polyol Tank	200000 gallons			8760 hr/yr (All Year)	
EQT242	PLY05(aa) - TK-163 Polyol Tank	78000 gallons			8760 hr/yr (All Year)	
EQT243	PLY05(b) - TK-131 Polyol Tank	200000 gallons			8760 hr/yr (All Year)	
EQT244	PLY05(b) - TK-164 Polyol Tank	56000 gallons			8760 hr/yr (All Year)	
EQT245	PLY05(c) - TK-132 Polyol Tank	200000 gallons			8760 hr/yr (All Year)	
EQT246	PLY05(cc) - TK-165 Polyol Tank	78000 gallons			8760 hr/yr (All Year)	
EQT247	PLY05(d) - TK-133 Polyol Tank	200000 gallons			8760 hr/yr (All Year)	
EQT248	PLY05(dd) - TK-166 Polyol Tank	560000 gallons			8760 hr/yr (All Year)	
EQT249	PLY05(e) - TK-134 Polyol Tank	200000 gallons			8760 hr/yr (All Year)	
EQT250	PLY05(ee) - TK-167 Polyol Tank	125000 gallons			8760 hr/yr (All Year)	
EQT251	PLY05(f) - TK-135 Polyol Tank	200000 gallons			8760 hr/yr (All Year)	
EQT252	PLY05(ff) - TK-168 Polyol Tank	56000 gallons			8760 hr/yr (All Year)	
EQT253	PLY05(g) - TK-136 Polyol Tank	300000 gallons			8760 hr/yr (All Year)	
EQT254	PLY05(gg) - TK-169 Polyol Tank	560000 gallons			8760 hr/yr (All Year)	
EQT255	PLY05(h) - TK-137 Polyol Tank	300000 gallons			8760 hr/yr (All Year)	
EQT256	PLY05(hh) - TK-171 Polyol Tank	560000 gallons			8760 hr/yr (All Year)	

**INVENTORIES**

**AI ID: 2049 - BASF Corp**  
**Activity Number: PER20050008**  
**Permit Number: 2427-V1**  
**Air - Title V Regular Permit Renewal**

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT257	PLY05(i) - TK-138 Polyol Tank	100000 gallons				8760 hr/yr (All Year)
EQT258	PLY05(ii) - TK-172 Polyol Tank	56000 gallons				8760 hr/yr (All Year)
EQT259	PLY05(i) - TK-139 Polyol Tank	100000 gallons				8760 hr/yr (All Year)
EQT260	PLY05(ii) - TK-174 Polyol Tank	56000 gallons				8760 hr/yr (All Year)
EQT261	PLY05(k) - TK-140 Polyol Tank	100000 gallons				8760 hr/yr (All Year)
EQT262	PLY05(kh) - TK-177 Polyol Tank	105000 gallons				8760 hr/yr (All Year)
EQT263	PLY05(l) - TK-141 Polyol Tank	100000 gallons				8760 hr/yr (All Year)
EQT264	PLY05(lj) - TK-178 Polyol Tank	105000 gallons				8760 hr/yr (All Year)
EQT265	PLY05(m) - TK-144 Polyol Tank	100000 gallons				8760 hr/yr (All Year)
EQT266	PLY05(mm) - TK-179 Polyol Tank	105000 gallons				8760 hr/yr (All Year)
EQT267	PLY05(n) - TK-145 Polyol Tank	100000 gallons				8760 hr/yr (All Year)
EQT268	PLY05(mn) - TK-180 Polyol Tank	105000 gallons				8760 hr/yr (All Year)
EQT269	PLY05(o) - TK-146 Polyol Tank	100000 gallons				8760 hr/yr (All Year)
EQT270	PLY05(oo) - TK-181 Polyol Tank	105000 gallons				8760 hr/yr (All Year)
EQT271	PLY05(p) - TK-147 Polyol Tank	100000 gallons				8760 hr/yr (All Year)
EQT272	PLY05(pp) - TK-182 Polyol Tank	105000 gallons				8760 hr/yr (All Year)
EQT273	PLY05(q) - TK-148 Polyol Blend Tank	80000 gallons				8760 hr/yr (All Year)
EQT274	PLY05(qq) - TK-183 Polyol Tank	105000 gallons				8760 hr/yr (All Year)
EQT275	PLY05(r) - TK-151 Glycerine Tank	25000 gallons			Glycerine	8760 hr/yr (All Year)
EQT276	PLY05(rt) - TK-184 Polyol Tank	105000 gallons				8760 hr/yr (All Year)
EQT277	PLY05(s) - TK-153 Glycerine Tank	50000 gallons			Glycerine	8760 hr/yr (All Year)
EQT278	PLY05(ss) - TK-185 Polyol Tank	350000 gallons				8760 hr/yr (All Year)
EQT279	PLY05(t) - TK-159 TMP Tank	15000 gallons				8760 hr/yr (All Year)
EQT280	PLY05(tt) - TK-186 Polyol Tank	425000 gallons				8760 hr/yr (All Year)
EQT281	PLY05(u) - TK-200 Stop Polyol Tank	10000 gallons				8760 hr/yr (All Year)
EQT282	PLY05(uw) - TK-191 Ethylene Diamine Tank (carbon canister)	17650 gallons				8760 hr/yr (All Year)
EQT283	PLY05(v) - TK-230 Polyol Tank	200000 gallons				8760 hr/yr (All Year)
EQT284	PLY05(wv) - TK-192 Diethanolamine Tank	25300 gallons			Diethanolamine	8760 hr/yr (All Year)
EQT285	PLY05(w) - TK-231 Polyol Tank	200000 gallons				8760 hr/yr (All Year)
EQT286	PLY05(ww) - TK-194 Dipropylene Glycol Tank	57000 gallons			Dipropylene Glycol	8760 hr/yr (All Year)
EQT287	PLY05(x) - TK-232 Glycols Tank	60000 gallons				8760 hr/yr (All Year)
EQT289	PLY05(y) - TK-161 Polyol Tank	125000 gallons				8760 hr/yr (All Year)
EQT290	PLY05(y) - FB-5323 Polyol Tank	1.99 million gallons				8760 hr/yr (All Year)
EQT291	PLY05(z) - TK-162 Polyol Tank	78000 gallons				8760 hr/yr (All Year)
EQT292	PLY06 - Polyol Plant Loading Rack					8760 hr/yr (All Year)
EQT293	PLY07 - Polyol Cooling Tower (CT-1)					8760 hr/yr (All Year)
EQT294	PLY08 - Polyol Cooling Tower (CT-2)					8760 hr/yr (All Year)

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TPOR0149

**INVENTORIES**

AI ID: 2049 - BASF Corp  
 Activity Number: PER20050008  
 Permit Number: 2427-V1  
 Air - Title V Regular Permit Renewal

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT295	PLY10 - GP-3 Inhibitor Vent					728 hr/yr (All Year)
EQT296	R-104 - G1 Reactor					8760 hr/yr (All Year)
EQT297	R-105 - G1 Reactor					8760 hr/yr (All Year)
EQT298	R-204 - G2 Reactor					8760 hr/yr (All Year)
EQT299	R-205 - G2 Reactor					8760 hr/yr (All Year)
EQT300	R-304 - G3 Reactor					8760 hr/yr (All Year)
EQT301	R-305 - G3 Reactor					8760 hr/yr (All Year)
EQT302	R-404 - G4 Reactor					8760 hr/yr (All Year)
EQT303	R-405 - G4 Reactor					8760 hr/yr (All Year)
EQT304	T-401 - G4 Column					8760 hr/yr (All Year)
EQT305	T-407 - G4 Column					8760 hr/yr (All Year)
EQT306	TK-106A - PO Tank	50000 gallons				8760 hr/yr (All Year)
EQT307	TK-106B - PO Tank	50000 gallons				8760 hr/yr (All Year)
EQT308	TK-106C - PO Tank	50000 gallons				8760 hr/yr (All Year)
EQT309	TK-114X - EO Tank	27500 gallons				8760 hr/yr (All Year)
EQT524	Wastewater Streams					8760 hr/yr (All Year)
FUG014	CCU03 - CCU Facility Fugitives					8760 hr/yr (All Year)
FUG015	PLY04 - Polyol Plant Fugitives					8760 hr/yr (All Year)
FUG016	PLY09 - Solids Vents			59.4 lb/hr	1.83 lb/hr	8760 hr/yr (All Year)

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP017	Drum Vents to Oxide Scrubber	EQT223 D-117 - G1 Drum
GRP017	Drum Vents to Oxide Scrubber	EQT224 D-207 - G2 Drum
GRP017	Drum Vents to Oxide Scrubber	EQT225 D-208 - G2 Drum
GRP017	Drum Vents to Oxide Scrubber	EQT226 D-217 - G2 Drum
GRP017	Drum Vents to Oxide Scrubber	EQT228 D-307 - G3 Drum
GRP017	Drum Vents to Oxide Scrubber	EQT229 D-309 - G3 Drum
GRP017	Drum Vents to Oxide Scrubber	EQT230 D-317 - G3 Drum
GRP017	Drum Vents to Oxide Scrubber	EQT231 D-304 - G3 Drum
GRP017	Drum Vents to Oxide Scrubber	EQT232 D-402 - G4 Drum
GRP038	Polyol Plant/CCU Pit	ACT1 SU/SD - Startup/Shutdown Activities
GRP038	Polyol Plant/CCU Pit	AI2049
GRP038	Polyol Plant/CCU Pit	EQT220 CCU01 - T-702 Chlorine Destuct Tower
GRP038	Polyol Plant/CCU Pit	EQT221 CCU02 - HCl Loading Scrubber
GRP038	Polyol Plant/CCU Pit	EQT222 CCU04 - CCU Cooling Tower

**INVENTORIES**

AI ID: 2049 - BASF Corp  
 Activity Number: PER20050008  
 Permit Number: 2427-V1  
 Air - Title V Regular Permit Renewal

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP038	Polyol Plant/CCU Pit	EQT223 D-117 - G1 Drum
GRP038	Polyol Plant/CCU Pit	EQT224 D-207 - G2 Drum
GRP038	Polyol Plant/CCU Pit	EQT225 D-208 - G2 Drum
GRP038	Polyol Plant/CCU Pit	EQT226 D-217 - G2 Drum
GRP038	Polyol Plant/CCU Pit	EQT228 D-307 - G3 Drum
GRP038	Polyol Plant/CCU Pit	EQT229 D-309 - G3 Drum
GRP038	Polyol Plant/CCU Pit	EQT230 D-317 - G3 Drum
GRP038	Polyol Plant/CCU Pit	EQT231 D-304 - G3 Drum
GRP038	Polyol Plant/CCU Pit	EQT232 D-402 - G4 Drum
GRP038	Polyol Plant/CCU Pit	EQT233 E-113 - G1 Exchanger (direct to flare)
GRP038	Polyol Plant/CCU Pit	EQT234 E-213 - G1 Exchanger (direct to flare)
GRP038	Polyol Plant/CCU Pit	EQT235 PLY01 - Polyol Plant Flare
GRP038	Polyol Plant/CCU Pit	EQT236 PLY01(a) - Oxide Scrubber Unit
GRP038	Polyol Plant/CCU Pit	EQT237 PLY01(b) - GP-1x Recovery System
GRP038	Polyol Plant/CCU Pit	EQT238 PLY02 - GP-2 Inhibitor Vent
GRP038	Polyol Plant/CCU Pit	EQT239 PLY03 - GP-1x Inhibitor Vent
GRP038	Polyol Plant/CCU Pit	EQT240 PLY05 - Polyol Plant Storage Tanks
GRP038	Polyol Plant/CCU Pit	EQT241 PLY05(a) - TK-130 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT242 PLY05(aa) - TK-163 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT243 PLY05(b) - TK-131 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT244 PLY05(bb) - TK-164 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT245 PLY05(c) - TK-132 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT246 PLY05(cc) - TK-165 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT247 PLY05(d) - TK-133 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT248 PLY05(dd) - TK-166 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT249 PLY05(e) - TK-134 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT250 PLY05(ee) - TK-167 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT251 PLY05(f) - TK-135 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT252 PLY05(ff) - TK-168 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT253 PLY05(g)
GRP038	Polyol Plant/CCU Pit	EQT254 PLY05(gg) - TK-136 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT255 PLY05(h) - TK-137 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT256 PLY05(hh) - TK-171 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT257 PLY05(ii) - TK-138 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT258 PLY05(iii) - TK-172 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT259 PLY05(j) - TK-139 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQT260 PLY05(jj) - TK-174 Polyol Tank

**INVENTORIES**

AI ID: 2049 - BASF Corp  
 Activity Number: PER20050008  
 Permit Number: 2427-V1  
 Air - Title V Regular Permit Renewal

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP038	Polyol Plant/CCU Pit	EQ1261 PLY05(k) - TK-140 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1262 PLY05(kk) - TK-177 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1263 PLY05(l) - TK-141 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1264 PLY05(ll) - TK-178 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1265 PLY05(m) - TK-144 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1266 PLY05(mm) - TK-179 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1267 PLY05(nn) - TK-145 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1268 PLY05(nn) - TK-180 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1269 PLY05(o) - TK-146 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1270 PLY05(oo) - TK-181 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1271 PLY05(p) - TK-147 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1272 PLY05(pp) - TK-182 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1273 PLY05(q) - TK-148 Polyol Blend Tank
GRP038	Polyol Plant/CCU Pit	EQ1274 PLY05(qq) - TK-183 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1275 PLY05(r) - TK-151 Glycerine Tank
GRP038	Polyol Plant/CCU Pit	EQ1276 PLY05(rr) - TK-184 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1277 PLY05(s) - TK-153 Glycerine Tank
GRP038	Polyol Plant/CCU Pit	EQ1278 PLY05(ss) - TK-185 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1279 PLY05(t) - TK-159 TMP Tank
GRP038	Polyol Plant/CCU Pit	EQ1280 PLY05(tt) - TK-186 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1281 PLY05(u) - TK-200 Slop Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1282 PLY05(uu) - TK-191 Ethylene Diamine Tank (carbon canister)
GRP038	Polyol Plant/CCU Pit	EQ1283 PLY05(v) - TK-230 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1284 PLY05(vv) - TK-192 Diethanolamine Tank
GRP038	Polyol Plant/CCU Pit	EQ1285 PLY05(w) - TK-231 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1286 PLY05(ww) - TK-194 Dipropylene Glycol Tank
GRP038	Polyol Plant/CCU Pit	EQ1287 PLY05(x) - TK-232 Glycols Tank
GRP038	Polyol Plant/CCU Pit	EQ1288 PLY05(y) - TK-161 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1289 PLY05(yy) - FB-5323 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1291 PLY05(z) - TK-162 Polyol Tank
GRP038	Polyol Plant/CCU Pit	EQ1292 PLY06 - Polyol Plant Loading Rack
GRP038	Polyol Plant/CCU Pit	EQ1293 PLY07 - Polyol Cooling Tower (CT-1)
GRP038	Polyol Plant/CCU Pit	EQ1294 PLY08 - Polyol Cooling Tower (CT-2)
GRP038	Polyol Plant/CCU Pit	EQ1295 PLY10 - GP-3 Inhibitor Vent
GRP038	Polyol Plant/CCU Pit	EQ1296 R-104 - G1 Reactor
GRP038	Polyol Plant/CCU Pit	EQ1297 R-105 - G1 Reactor
GRP038	Polyol Plant/CCU Pit	EQ1298 R-204 - G2 Reactor

**INVENTORIES**

AI ID: 2049 - BASF Corp  
 Activity Number: PER20050008  
 Permit Number: 2427-V1  
 Air - Title V Regular Permit Renewal

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP038	Polyol Plant/CCU Pit	EQT299 R-205 - G2 Reactor
GRP038	Polyol Plant/CCU Pit	EQT300 R-304 - G3 Reactor
GRP038	Polyol Plant/CCU Pit	EQT301 R-305 - G3 Reactor
GRP038	Polyol Plant/CCU Pit	EQT302 R-404 - G4 Reactor
GRP038	Polyol Plant/CCU Pit	EQT303 R-405 - G4 Reactor
GRP038	Polyol Plant/CCU Pit	EQT304 T-401 - G4 Column
GRP038	Polyol Plant/CCU Pit	EQT305 T-407 - G4 Column
GRP038	Polyol Plant/CCU Pit	EQT306 TK-106A - PO Tank
GRP038	Polyol Plant/CCU Pit	EQT307 TK-106B - PO Tank
GRP038	Polyol Plant/CCU Pit	EQT308 TK-106C - PO Tank
GRP038	Polyol Plant/CCU Pit	EQT309 TK-114X - EO Tank
GRP038	Polyol Plant/CCU Pit	EQT524 Wastewater Streams
GRP038	Polyol Plant/CCU Pit	FUG14 CCU03 - CCU Facility Fugitives
GRP038	Polyol Plant/CCU Pit	FUG15 PLY04 - Polyol Plant Fugitives
GRP038	Polyol Plant/CCU Pit	FUG16 PLY09 - Solids Vents
GRP038	Polyol Plant/CCU Pit	GRP17 Drum Vents to Oxide Scrubber
GRP039	Reactor Vents to Oxide Scrubber	EQT296 R-104 - G1 Reactor
GRP039	Reactor Vents to Oxide Scrubber	EQT297 R-105 - G1 Reactor
GRP039	Reactor Vents to Oxide Scrubber	EQT298 R-204 - G2 Reactor
GRP039	Reactor Vents to Oxide Scrubber	EQT299 R-205 - G2 Reactor
GRP039	Reactor Vents to Oxide Scrubber	EQT300 R-304 - G3 Reactor
GRP039	Reactor Vents to Oxide Scrubber	EQT301 R-305 - G3 Reactor
GRP039	Reactor Vents to Oxide Scrubber	EQT302 R-404 - G4 Reactor
GRP039	Reactor Vents to Oxide Scrubber	EQT303 R-405 - G4 Reactor
GRP040	Column Vents to Oxide Scrubber	EQT304 T-401 - G4 Column
GRP040	Column Vents to Oxide Scrubber	EQT305 T-407 - G4 Column
GRP041	Tank Vents to Oxide Scrubber	EQT306 TK-106A - PO Tank
GRP041	Tank Vents to Oxide Scrubber	EQT307 TK-106B - PO Tank
GRP041	Tank Vents to Oxide Scrubber	EQT308 TK-106C - PO Tank
GRP041	Tank Vents to Oxide Scrubber	EQT309 TK-114X - EO Tank
<b>Relationships:</b>		
EQT235	PLY01 - Polyol Plant Flare	Relationship
EQT235	PLY01 - Polyol Plant Flare	Controls emissions from
EQT235	PLY01 - Polyol Plant Flare	Controls emissions from
EQT235	PLY01 - Polyol Plant Flare	Controls emissions from
EQT235	PLY01 - Polyol Plant Flare	Controls emissions from
EQT236	PLY01(a) - Oxide Scrubber Unit	Subject Item
EQT233	E-113 - G1 Exchanger (direct to flare)	Subject Item
EQT234	E-213 - G1 Exchanger (direct to flare)	Subject Item
EQT308	TK-106C - PO Tank	Subject Item

**INVENTORIES**

AI ID: 2049 - BASF Corp

Activity Number: PER20050008

Permit Number: 2427-V1

Air - Title V Regular Permit Renewal

**Relationships:**

Relationships:	Subject Item	Relationship	Subject Item
EQT235 PLY01 - Polyol Plant Flare	Controls emissions from	EQT306 TK106A - PO Tank	
EQT235 PLY01 - Polyol Plant Flare	Controls emissions from	EQT307 TK106B - PO Tank	
EQT235 PLY01 - Polyol Plant Flare	Controls emissions from	EQT309 TK114X - EO Tank	
EQT235 PLY01 - Polyol Plant Flare	Controls emissions from	EQT305 T-407 - G4 Column	
EQT235 PLY01 - Polyol Plant Flare	Controls emissions from	EQT304 T-401 - G4 Column	
EQT236 PLY01(a) - Oxide Scrubber Unit	Controls emissions from	GRP17 Drum Vents to Oxide Scrubber	
EQT236 PLY01(a) - Oxide Scrubber Unit	Controls emissions from	GRP39 Reactor Vents to Oxide Scrubber	
EQT236 PLY01(a) - Oxide Scrubber Unit	Controls emissions from	GRP40 Column Vents to Oxide Scrubber	
EQT236 PLY01(a) - Oxide Scrubber Unit	Controls emissions from	GRP41 Tank Vents to Oxide Scrubber	

**Stack Information:**

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT220 CCU01 - T-702 Chlorine Destruct Tower	67.1	93.6	.17		50	110
EQT221 CCU02 - HCl Loading Scrubber	67.1	93.6	.17		50	110
EQT222 CCU04 - CCU Cooling Tower	46.1	256250	12		20	90
EQT235 PLY01 - Polyol Plant Flare	13	5513	3		90	1832
EQT238 PLY02 - GP-2 Inhibitor Vent	47	1000	.67		77	77
EQT239 PLY03 GP-1x Inhibitor Vent	47	1000	.67		77	77
EQT233 PLY07 - Polyol Cooling Tower (CT-1)	144.7		24		56	90
EQT234 PLY08 - Polyol Cooling Tower (CT-2)	144.7		24		56	90
EQT235 PLY10 - GP-3 Inhibitor Vent	47	1000	.67		77	77
FUG016 PLY09 - Solids Vents		450	.67	11		

**Fee Information:**

Sub Item Id	Multiplier	Units Of Measure	Fee Desc
GRP038	807	MM Lb/Yr	0630 - Organic Oxides, Alcohols, Glycols (Rated Capacity)

## EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID:** 2049 - BASF Corp  
**Activity Number:** PER20050008  
**Permit Number:** 2427-V1  
**Air - Title V Regular Permit Renewal**

### All phases

Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ACT 001															1.45
EQT 221															
CCU02															1.1
EQT 222	0.01	0.01	0.04												3.3
CCU04															
EQT 235	0.05	0.62	0.21	0.004	0.05	0.02	0.43	5.59	1.89	2.35	30.43	10.3	2.18	75.1	9.55
PLY01															0
EQT 236															0
PLY01(a)															0
EQT 237															0
PLY01(b)															0
EQT 238	<	0.001	< 0.001	< 0.01											
PLY02															
EQT 239	<	0.001	< 0.001	< 0.01											
PLY03															
EQT 240															
PLY05															
EQT 292															
PLY06															
EQT 293	0.07	0.07	0.3												0.9
PLY07															
EQT 294				0.05	0.22										0.76
PLY08															
EQT 295	< 0.001	< 0.001	< 0.01												0.15
PLY10															
FUG 015															0.11
PLY04															
FUG 016	1.83		59.4	8											1.56
PLY09															

**Note:** Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Phase Totals:

**PM10:** 8.80 tons/yr  
**SO2:** 0.02 tons/yr

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2049 - BASF Corp  
Activity Number: PER20050008  
Permit Number: 2427-V1  
Air - Title V Regular Permit Renewal

### All phases

NOx: 1.89 tons/yr

CO: 10.30 tons/yr

VOC: 14.13 tons/yr

### Emission rates Notes:

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2049 - BASF Corp  
 Activity Number: PER20050008  
 Permit Number: 2427-V1  
 Air - Title V Regular Permit Renewal

### All phases

Chlorine		Chlorobenzene		Ethylene glycol		Formaldehyde	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr
ACT 001							
EQT 220 ccu01	0.01	0.01	0.03				0.22
EQT 221 ccu02				0.2	1.8	0.85	
EQT 222 ccu04	0.01	0.01	0.02				
EQT 235 PLY01					0.002	0.02	0.18
EQT 236 PLY01(a)							7.67
EQT 237 PLY01(b)							0.78
EQT 240 PLY05							< 0.001
EQT 292 PLY06							0
EQT 293 PLY07	0.01	0.01	0.05				0
EQT 294 PLY08	0.01	0.01	0.03				0
FUG 014 ccu03	0.001	0.001	0.003				0.01
FUG 015 PLY04					0.02	0.02	0.11
							0.08
							0.36

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2049 - BASF Corp  
 Activity Number: PER20050008  
 Permit Number: 2427-V1  
 Air - Title V Regular Permit Renewal

### All phases

Subject Item	Hydrochloric acid			Propylene oxide			Toluene			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ACT 001						0.87					0.36	
EQT 220												
ccu01												
EQT 221	0.95	2.8	<b>4</b>				0.06	1.5	0.25			
ccu02												
EQT 222												
ccu04												
EQT 235				0.73	10.07	3.18	0.4	4	1.74	0.01	0.04	0.04
PLY01				0	0	0						
EQT 236												
PLY01(a)												
EQT 237							0	0	0	0	0	0
PLY01(b)												
EQT 240				0.03	0.03	0.14	0.02	0.74	0.08	0	0	0
PLY05												
EQT 292				0.03	0.06	0.14	0.02	0.74	0.08			
PLY06												
EQT 293												
PLY07												
EQT 294												
PLY08												
FUG 014												
ccu03												
FUG 015				0.13	0.13	0.58	0.07	0.07	0.3	0.05	0.05	0.21
PLY04												

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Parameter Totals:

Chlorine: 0.13 tons/yr  
 Chlorobenzene: 0.85 tons/yr  
 Ethylene glycol: 0.13 tons/yr  
 Ethylene oxide: 1.18 tons/yr  
 Hydrochloric acid: 4.00 tons/yr  
 n-Hexane: 0.25 tons/yr

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2049 - BASF Corp

Activity Number: PER20050008

Permit Number: 2427-V1

Air - Title V Regular Permit Renewal

### All phases

Propylene oxide: 4.04 tons/yr  
Toluene: 2.45 tons/yr

### Emission Rates Notes:

## **SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp  
Activity Number: PER20050008  
Permit Number: 2427-V1

### **Air - Title V Regular Permit Renewal**

#### **EQT220 CCU01 - T-702 Chlorine Destruct Tower**

- 1 Chlorine Destruct Tower scrubbing medium: Flow rate >= 100 gallons/min. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Hourly average
- 2 Chlorine Destruct Tower scrubbing medium concentration: Sodium Hydroxide >= 7.0 % by weight. Scrubbing medium will consist of caustic and water mixture. [LAC 33:III.501.C.6]
- 3 Chlorine Destruct Tower scrubbing medium concentration: Sodium Hydroxide monitored by grab sampling once every shift during operation. Concentration will be recorded. [LAC 33:III.501.C.6]
- 4 Chlorine Destruct Tower scrubbing medium: Flow rate monitored by flow rate monitoring device continuously. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Hourly average
- 5 Scrubbing medium: Flow rate recordkeeping by electronic or hard copy once every four hours. Records shall be kept on site and available for review by the Office of Environmental Services, Surveillance Division. A report listing the hours that the caustic flowrate dropped below its minimum for more than 2 minutes shall be submitted to the Office of Environmental Services, Enforcement Division by March 1 for the preceding calendar year. [LAC 33:III.501.C.6]
- 6 Scrubbing medium concentration: Sodium Hydroxide recordkeeping by electronic or hard copy once every shift during operation. Records will be kept on site and available for review by the Office of Environmental Services, Surveillance Division. A report listing the estimated hours that the scrubber operated below the minimum concentration of 7% shall be submitted to the Office of Environmental Services, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.501.C.6]
- 7 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 8 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 9 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 10 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 11 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 12 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 13 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 14 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 15 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 16 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 17 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 18 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

#### **EQT221 CCU02 - HCl Loading Scrubber**

## **SPECIFIC REQUIREMENTS**

**AI ID: 2049 - BASF Corp**  
**Activity Number: PER20050008**

**Permit Number: 2427-V1**

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### **EQT221 CCU02 - HCl Loading Scrubber**

- 19 The HCl Scrubber scrubbing medium (caustic and water) shall have a minimum concentration of Sodium Hydroxide  $\geq 5.0\%$  by weight. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Hourly average
- 20 Sodium Hydroxide: Permittee shall continuously circulate 25% to 35% caustic solution through the scrubber while loading HCl railcars. [LAC 33:III.501.C.6]
- 21 HCl Scrubber: Sodium Hydroxide monitored by grab sampling daily at the site caustic dilution supply tank (tank supplying caustic for scrubber recirculation). [LAC 33:III.501.C.6]
- 22 Make up caustic to dilution supply tank: Sodium Hydroxide monitored by analyzer continuously. [LAC 33:III.501.C.6]
- 23 The HCl scrubber unit vacuum shall be continuously monitored through a distributive control system (DCS) and loading shall cease during low vacuum conditions (low vacuum conditions indicate loss of scrubber circulation). [LAC 33:III.501.C.6]
- 24 HCl scrubber medium: Sodium Hydroxide recordkeeping by electronic or hard copy daily for the circulating concentration, dilution supply tank, and make up caustic concentration. Records of sampling shall be kept on site and available for review by the Office of Environmental Services, Surveillance Division. A report listing the estimated hours that the scrubber operated below the minimum concentration of 5% shall be submitted to the Office of Environmental Services, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.501.C.6]
- 25 Compliance with requirements in 40 CFR 63 Subpart NNNNN is considered as compliance with LAC 33:III.5109. [LAC 33:III.5109.A]
- 26 Source emits Class I and/or Class II (chlorobenzene) less than the MER (facility wide). No further control is required. [LAC 33:III.5109.A]
- 27 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 28 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 29 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 30 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 31 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 32 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 33 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 34 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 35 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 36 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or mal function of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 37 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 38 Permittee will comply with appropriate requirements specified in 40 CFR 63 Subpart NNNNN for the HCl scrubber. [40 CFR 63.8985]
- 39 All monitoring equipment shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would be reasonably be expected to monitor accurately. [40 CFR 63.9005(d)]

## **SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp

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### **EQT222 CCU04 - CCU Cooling Tower**

- 40 Source emits Class III TAP (chlorine) only. MACT is not required. [LAC 33:III.5109.A]
- 41 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 42 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 43 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 44 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 45 Provide emission testing facilities as specified in LAC 33:III.5113.B.4, a through e. [LAC 33:III.5113.B.4]
- 46 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 47 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 48 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 49 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 50 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 51 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

### **EQT233 E-113 - G1 Exchanger (direct to flare)**

- 52 Owner or operator shall comply with the requirements of 40 CFR 63.104 for heat exchange systems with the exceptions noted in paragraphs (b) through (e). 40 CFR Subpart PPP. [40 CFR 63.1435(a)]

### **EQT234 E-213 - G1 Exchanger (direct to flare)**

- 53 Owner or operator shall comply with the requirements of 40 CFR 63.104 for heat exchange systems with the exceptions noted in paragraphs (b) through (e). 40 CFR Subpart PPP. [40 CFR 63.1435(a)]

### **EQT235 PLY01 - Polyol Plant Flare**

- 54 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]  
Which Months: All Year Statistical Basis: None specified
- 55 Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33:III.1105]

## **SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp  
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### **EQT235 PLY01 - Polyol Plant Flare**

- 56 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 57 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 58 Nonhalogenated hydrocarbon burning: Temperature >= 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 59 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I.]
- 60 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 61 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 62 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.J]
- 63 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 64 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 65 Compliance with 40 CFR 63 Subpart PPP will be considered as MACT for compliance with LAC 33:III.Chapter 51. [LAC 33:III.5109]
- 66 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 67 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 68 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 69 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 70 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 71 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 72 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 73 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 74 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

## **SPECIFIC REQUIREMENTS**

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### **EQT235 PLY01 - Polyol Plant Flare**

- 75 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 76 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 77 Reduce nonepoxide organic HAP emissions using a flare, 40 CFR 63 Subpart PPP. [40 CFR 63.1425(c)(1)(i)]
- 78 The owner of operator of a process vent that uses a combustion, recovery, or recapture device shall install monitoring equipment. Where a flare is used, the device will monitor: Presence of a flame monitored by flame monitor continuously. (Includes but is not limited to a thermocouple, ultra-violet beam sensor, or infrared sensor) 40 CFR 63 Subpart PPP. [40 CFR 63.1429(a)(2)]  
Which Months: All Year Statistical Basis: None specified
- 79 An owner or operator using a flare to comply with any of the requirements of 40 CFR 63 Subpart PPP shall comply with paragraphs 63.1437(c)(1)-(c)(3), 40 CFR 63 Subpart PPP. [40 CFR 63.1437(c)(1 - 3)]
- 80 Owner or operator shall comply with recordkeeping and recording requirements specified in 40 CFR 63 Subpart PPP. [40 CFR 63.1439]

### **EQT236 PLY01(a) - Oxide Scrubber Unit**

- 81 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 82 The Oxide Scrubber: pH recordkeeping by electronic or hard copy continuously. Records shall be available for review by the Office of Environmental Services, Surveillance Division. A report listing the hours that the scrubber operated (with process gas venting to the unit) above the maximum liquid pH shall be submitted to the Office of Environmental Services, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.501.C.6]
- 83 Establish maximum and minimum parameter levels during initial and subsequent performance tests as required in 40 CFR 63.1437, and 40 CFR 63 Subpart A. [40 CFR Subpart A]. [40 CFR 63.1437]  
84 Monitor operating parameters established during the initial or subsequent performance tests as required under 40 CFR 63.1438. [40 CFR 63.1438]
- 85 Maintain records of monitoring data as required under 40 CFR 63.1439, and 40 CFR 63 Subpart A. [40 CFR Subpart A]. [40 CFR 63.1439]
- 86 Submit reports as required under 40 CFR 63.1439, and 40 CFR 63 Subpart A. [40 CFR 63.1439]

### **EQT237 PLY01(b) - GP-1x Recovery System**

- 87 Nonhalogenated hydrocarbon burning: Temperature  $\geq$  1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. [LAC 33:III.2115.A]  
Which Months: All Year Statistical Basis: None specified
- 88 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I.]
- 89 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
- 90 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. [LAC 33:III.2115.J.2]
- 91 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115.J [LAC 33:III.2115.J]

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#### EQT237 PLY01(b) - GP-1x Recovery System

- 92 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K.]
- 93 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 94 Compliance with 40 CFR 63 Subpart F and 40 CFR 63 Subpart PPP is considered MACT compliance. [LAC 33:III.5109]
- 95 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 96 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 97 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 98 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 99 Provide emission testing facilities as specified in LAC 33:III.5113.B.4. a through e. [LAC 33:III.5113.B.4]
- 100 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 101 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 102 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 103 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 104 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 105 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

#### EQT238 PLY02 - GP-2 Inhibitor Vent

- 106 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: Six-minute average

#### EQT239 PLY03 - GP-1x Inhibitor Vent

- 107 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: Six-minute average

#### EQT241 PLY05(a) - TK-130 Polyol Tank

- 108 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]

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#### **EQT241 PL Y05(aa) - TK-130 Polyol Tank**

- 109 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 110 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 111 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 112 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 113 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 114 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 115 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 116 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 117 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 118 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 119 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 120 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 121 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

#### **EQT242 PL Y05(aa) - TK-163 Polyol Tank**

- 122 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 123 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 124 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 125 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 126 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 127 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 128 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 129 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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### **EQT242 PLY05(aa) - TK-163 Polyol Tank**

- 130 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 131 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 132 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 133 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 134 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 135 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT243 PLY05(b) - TK-131 Polyol Tank**

- 136 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 137 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 138 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 139 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 140 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 141 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 142 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 143 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 144 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 145 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 146 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 147 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 148 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 149 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

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### **EQT243 PLY05(bb) - TK-131 Polyol Tank**

150 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT244 PLY05(bb) - TK-164 Polyol Tank**

- 151 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 152 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 153 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 154 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 155 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 156 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 157 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 158 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 159 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 160 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 161 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 162 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 163 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G, [40 CFR 63.123(a)]
- 164 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT245 PLY05(c) - TK-132 Polyol Tank**

- 165 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 166 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 167 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 168 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

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### **EQT245 PLY05(c) - TK-132 Polyol Tank**

- 169 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 170 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 171 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 172 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 173 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 174 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 175 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 176 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 177 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 178 For each storage vessel located at an affected source, the owner or operator shall comply with the HQN storage vessel requirements of 40 CFR 63.119 through 63.123 and the HQN leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT246 PLY05(cc) - TK-165 Polyol Tank**

- 179 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 180 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 181 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 182 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 183 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 184 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 185 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 186 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 187 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 188 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

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#### **EQT246 PLY05(cc) - TK-165 Polyol Tank**

- 189 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 190 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 191 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 192 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

#### **EQT247 PLY05(d) - TK-133 Polyol Tank**

- 193 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 194 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 195 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 196 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 197 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 198 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 199 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 200 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 201 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 202 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 203 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 204 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 205 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 206 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

#### **EQT248 PLY05(dd) - TK-166 Polyol Tank**

- 207 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 208 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

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### **EQT248 PL Y05(dd) - TK-166 Polyol Tank**

- 209 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 210 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 211 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 212 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 213 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 214 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 215 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 216 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 217 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 218 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 219 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 220 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels. 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT249 PL Y05(e) - TK-134 Polyol Tank**

- 221 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 222 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 223 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 224 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 225 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 226 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 227 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 228 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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### **EQT249 PLY05(e) - TK-134 Polyol Tank**

- 229 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 230 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 231 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 232 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 233 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 234 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT250 PLY05(ee) - TK-167 Polyol Tank**

- 235 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 236 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 237 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 238 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 239 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 240 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 241 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 242 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 243 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 244 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 245 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 246 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 247 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

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### EQT250 PLY05(ee) - TK-167 Polyol Tank

248 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### EQT251 PLY05(f) - TK-135 Polyol Tank

- 249 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 250 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 251 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 252 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 253 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 254 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 255 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 256 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 257 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 258 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 259 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 260 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 261 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 262 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### EQT252 PLY05(ff) - TK-168 Polyol Tank

- 263 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 264 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 265 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 266 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

## **SPECIFIC REQUIREMENTS**

**AI ID: 2049 - BASF Corp**  
**Activity Number: PER20050008**

**Permit Number: 2427-V1**

**Air - Title V Regular Permit Renewal**

### **EQT252 PLY05(f) - TK-168 Polyol Tank**

- 267 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 268 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 269 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 270 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 271 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 272 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 273 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 274 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 275 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 276 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT253 PLY05(g) - TK-136 Polyol Tank**

- 277 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 278 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 279 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 280 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 281 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 282 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 283 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 284 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 285 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 286 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

## SPECIFIC REQUIREMENTS

AI ID: 2049 - BASF Corp  
Activity Number: PER20050008

Permit Number: 2427-V1

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### EQT253 PLY05(g) - TK-136 Polyol Tank

- 287 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 288 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 289 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 290 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### EQT254 PLY05(gg) - TK-169 Polyol Tank

- 291 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 292 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 293 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 294 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 295 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 296 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 297 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 298 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 299 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 300 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 301 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 302 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 303 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 304 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### EQT255 PLY05(h) - TK-137 Polyol Tank

- 305 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 306 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

## **SPECIFIC REQUIREMENTS**

**AI ID: 2049 - BASF Corp**  
**Activity Number: PER20050008**

**Permit Number: 2427-V1**

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### **EQT255 PLY05(h) - TK-137 Polyol Tank**

- 307 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 308 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 309 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 310 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 311 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 312 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 313 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 314 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 315 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 316 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 317 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 318 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT256 PLY05(hh) - TK-171 Polyol Tank**

- 319 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 320 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 321 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 322 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 323 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 324 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 325 Analyze samples and determine emissions within 30 days after each emission test has been completed [LAC 33:III.5113.B.5]
- 326 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

## **SPECIFIC REQUIREMENTS**

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### **EQT256 PLY05(hh) - TK-171 Polyol Tank**

- 327 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ. [LAC 33:III.5113.B.6]
- 328 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 329 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 330 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 331 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 332 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT257 PLY05(i) - TK-138 Polyol Tank**

- 333 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 334 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 335 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 336 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 337 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 338 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 339 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 340 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 341 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 342 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 343 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 344 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 345 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

## **SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp  
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### **EQT257 PLY05(i) - TK-138 Polyol Tank**

346 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT258 PLY05(iii) - TK-172 Polyol Tank**

- 347 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 348 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 349 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 350 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 351 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 352 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 353 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 354 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 355 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 356 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 357 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 358 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 359 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 360 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT259 PLY05(j) - TK-139 Polyol Tank**

- 361 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 362 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 363 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 364 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

## **SPECIFIC REQUIREMENTS**

**AI ID: 2049 - BASF Corp**  
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### **EQT259 PLY05(j) - TK-139 Polyol Tank**

- 365 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 366 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 367 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 368 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 369 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 370 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 371 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 372 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 373 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 374 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT260 PLY05(j) - TK-174 Polyol Tank**

- 375 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 376 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 377 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 378 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 379 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 380 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 381 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 382 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 383 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 384 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

## **SPECIFIC REQUIREMENTS**

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### **EQT260 PLY05(j) - TK-174 Polyol Tank**

- 385 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 386 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 387 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 388 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT261 PLY05(k) - TK-140 Polyol Tank**

- 389 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 390 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 391 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 392 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 393 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 394 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 395 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 396 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 397 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 398 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 399 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 400 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 401 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 402 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT262 PLY05(kk) - TK-177 Polyol Tank**

- 403 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 404 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

## **SPECIFIC REQUIREMENTS**

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#### **EQT262 PLY05(kk) - TK-177 Polyol Tank**

- 405 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 406 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 407 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 408 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 409 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 410 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 411 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 412 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 413 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 414 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 415 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 416 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

#### **EQT263 PLY05(l) - TK-141 Polyol Tank**

- 417 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 418 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 419 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 420 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 421 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 422 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 423 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 424 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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**AI ID: 2049 - BASF Corp**

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### **EQT263 PLY05(I) - TK-141 Polyol Tank**

- 425 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 426 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 427 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 428 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 429 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 430 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels; 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT264 PLY05(II) - TK-178 Polyol Tank**

- 431 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 432 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 433 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 434 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 435 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 436 Provide emission testing facilities as specified in LAC 33:III.5113.B.4. a through e. [LAC 33:III.5113.B.4]
- 437 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 438 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 439 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 440 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 441 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 442 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 443 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

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### **EQT264 PLY05(II) - TK-178 Polyol Tank**

444 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT265 PLY05(m) - TK-144 Polyol Tank**

- 445 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 446 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 447 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 448 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 449 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 450 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 451 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 452 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 453 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 454 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 455 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 456 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 457 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 458 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels; 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT266 PLY05(mm) - TK-179 Polyol Tank**

- 459 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 460 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 461 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 462 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

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### EQT266 PLY05(mm) - TK-179 Polyol Tank

- 463 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 464 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 465 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 466 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 467 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 468 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 469 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 470 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 471 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 472 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### EQT267 PLY05(n) - TK-145 Polyol Tank

- 473 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 474 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 475 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 476 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 477 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 478 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 479 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 480 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 481 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 482 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

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#### EQT267 PLY05(n) - TK-145 Polyol Tank

- 483 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 484 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 485 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 486 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

#### EQT268 PLY05(nm) - TK-180 Polyol Tank

- 487 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 488 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 489 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 490 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 491 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 492 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 493 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 494 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 495 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 496 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 497 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 498 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 499 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 500 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

#### EQT269 PLY05(o) - TK-146 Polyol Tank

- 501 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 502 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

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**AI ID: 2049 - BASF Corp**

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### **EQT269 PLY05(o) - TK-146 Polyol Tank**

- 503 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 504 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 505 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 506 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 507 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 508 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 509 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 510 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 511 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 512 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 513 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 514 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT270 PLY05(o) - TK-181 Polyol Tank**

- 515 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 516 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 517 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 518 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 519 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 520 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 521 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 522 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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### **EQT270 PLY05(oo) - TK-181 Polyol Tank**

- 523 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 524 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 525 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 526 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 527 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 528 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT271 PLY05(p) - TK-147 Polyol Tank**

- 529 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 530 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 531 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 532 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 533 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 534 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 535 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 536 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 537 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 538 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 539 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 540 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 541 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

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### **EQT271 PLY05(p) - TK-147 Polyol Tank**

542 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT272 PLY05(pp) - TK-182 Polyol Tank**

- 543 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 544 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 545 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 546 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 547 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 548 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 549 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 550 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 551 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 552 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 553 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 554 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 555 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G, [40 CFR 63.123(a)]
- 556 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT273 PLY05(q) - TK-148 Polyol Blend Tank**

- 557 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 558 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 559 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 560 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

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### **EQT273 PLY05(q) - TK-148 Polyol Blend Tank**

- 561 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 562 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 563 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 564 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 565 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 566 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 567 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 568 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 569 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 570 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT274 PLY05(qq) - TK-183 Polyol Tank**

- 571 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 572 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 573 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 574 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 575 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 576 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 577 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 578 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 579 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 580 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

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### **EQT274 PLY05(qq) - TK-183 Polyol Tank**

- 581 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 582 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 583 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 584 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT276 PLY05(rr) - TK-184 Polyol Tank**

- 585 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 586 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 587 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 588 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 589 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 590 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 591 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 592 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 593 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 594 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 595 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 596 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 597 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 598 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT278 PLY05(ss) - TK-185 Polyol Tank**

- 599 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 600 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

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### **EQT278 PLY05(ss) - TK-185 Polyol Tank**

- 601 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 602 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 603 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 604 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 605 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 606 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 607 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 608 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 609 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 610 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 611 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 612 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT280 PLY05(tt) - TK-186 Polyol Tank**

- 613 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 614 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 615 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 616 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 617 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 618 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 619 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 620 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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### **EQT280 PLY05(tt) - TK-186 Polyol Tank**

- 621 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 622 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 623 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 624 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 625 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 626 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels. 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT281 PLY05(u) - TK-200 Slop Polyol Tank**

- 627 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 628 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 629 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 630 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 631 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 632 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 633 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 634 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 635 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 636 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 637 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 638 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 639 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

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### **EQT281 PL Y05(u) - TK-200 Slop Polyol Tank**

640 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT283 PL Y05(v) - TK-230 Polyol Tank**

- 641 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 642 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 643 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 644 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 645 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 646 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 647 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 648 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 649 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 650 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 651 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 652 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 653 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 654 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT284 PL Y05(vv) - TK-192 Diethanolamine Tank**

- 655 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 656 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 657 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 658 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

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### EQT284 PLY05(w) - TK-192 Diethanolamine Tank

- 659 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 660 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 661 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 662 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 663 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 664 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 665 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 666 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 667 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 668 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### EQT285 PLY05(w) - TK-231 Polyol Tank

- 669 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 670 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 671 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 672 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 673 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 674 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 675 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 676 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 677 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 678 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

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### EQT285 PLY05(w) - TK-231 Polyol Tank

- 679 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 680 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 681 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 682 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### EQT287 PLY05(x) - TK-232 Glycols Tank

- 683 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 684 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 685 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 686 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 687 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 688 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 689 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 690 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 691 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 692 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 693 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 694 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 695 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 696 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### EQT289 PLY05(y) - TK-161 Polyol Tank

- 697 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 698 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

## **SPECIFIC REQUIREMENTS**

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### **EQT289 PLY05(y) - TK-161 Polyol Tank**

- 699 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 700 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 701 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 702 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 703 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 704 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 705 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 706 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 707 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 708 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 709 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 710 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT290 PLY05(yy) - FB-5323 Polyol Tank**

- 711 Source emits Class III TAPs (n-hexane and toluene) only. MACT is not required. [LAC 33:III.5109.A]
- 712 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 713 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 714 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 715 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 716 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 717 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 718 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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### **EQT290 PLY05(yy) - FB-5323 Polyol Tank**

- 719 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 720 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 721 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 722 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 723 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 724 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.119 through 63.123 and HON leak inspection provisions in 40 CFR 63.148, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT291 PLY05(z) - TK-162 Polyol Tank**

- 725 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 726 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 727 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 728 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 729 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 730 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 731 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 732 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 733 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 734 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 735 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 736 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 737 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

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### **EQT291 PLY05(z) - TK-162 Polyol Tank**

738 For each storage vessel located at an affected source, the owner or operator shall comply with the HON storage vessel requirements of 40 CFR 63.1119 through 63.1123 and the HON leak inspection provisions in 40 CFR 63.148 for Group 2 storage vessels, 40 CFR 63 Subpart PPP. [40 CFR 63.1432]

### **EQT292 PLY06 - Polyol Plant Loading Rack**

739 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]

740 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

741 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]

742 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

743 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]

744 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]

745 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]

746 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

747 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

748 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

749 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

750 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

751 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G. [40 CFR 63.130]

### **EQT293 PLY07 - Polyol Cooling Tower (CT-1)**

752 Polyol Plant will operate the cooling tower such that the minimum pressure is at least 35 kPa (5.1 psi) above the maximum process pressure. This requirement must be met in order to be considered exempt from monitoring specified by 40 CFR 63.104(a)(1). [LAC 33:III.501.C.6]

753 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]

754 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

755 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]

756 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

## **SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp

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### **EQT293 PLY07 - Polyol Cooling Tower (CT-1)**

- 757 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 758 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 759 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 760 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 761 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 762 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 763 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 764 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 765 The owner or operator of each affected source shall comply with the requirements of 40 CFR 63.104 as modified in 40 CFR 63.1435 (b) through (e) for heat exchange systems, 40 CFR 63 Subpart PPP. [40 CFR 63.1435]

### **EQT294 PLY08 - Polyol Cooling Tower (CT-2)**

- 766 Polyol Plant will operate the cooling tower such that the minimum pressure is at least 35 kPa (5.1 psi) above the maximum process pressure. This requirement must be met in order to be considered exempt from monitoring specified by 40 CFR 63.104(a)(1). [LAC 33:III.501.C.6]
- 767 Source emits Class III TAPs only. MACT is not required. [LAC 33:III.5109.A]
- 768 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 769 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 770 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 771 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 772 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 773 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 774 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 775 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 776 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

## **SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp

Activity Number: PER200500008

Permit Number: 2427-V1

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### **EQT294 PLY08 - Polyol Cooling Tower (CT-2)**

- 777 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 778 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 779 The owner or operator of each affected source shall comply with the requirements of 40 CFR 63.104 as modified in 40 CFR 63.1435 (b) through (e) for heat exchange systems, 40 CFR 63 Subpart PPP. [40 CFR 63.1435]

### **EQT295 PLY10 - GP-3 Inhibitor Vent**

- 780 Prevent particulate matter from becoming air borne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

- 781 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

### **EQT304 T-401 - G4 Column**

- 782 Reduce nonepoxide organic HAP emissions using a flare, 40 CFR 63 Subpart PPP. [40 CFR 63.1425(c)(1)(i)]

### **EQT305 T-407 - G4 Column**

- 783 Reduce nonepoxide organic HAP emissions using a flare, 40 CFR 63 Subpart PPP. [40 CFR 63.1425(c)(1)(i)]

### **EQT306 TK-106A - PO Tank**

- 784 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank emissions are routed to the flare which is determined as MACT. [LAC 33:III.5109.A]

### **EQT307 TK-106B - PO Tank**

- 785 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank emissions are routed to the flare which is determined as MACT. [LAC 33:III.5109.A]

### **EQT308 TK-106C - PO Tank**

- 786 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank emissions are routed to the flare which is determined as MACT. [LAC 33:III.5109.A]

### **EQT309 TK-114X - EO 1 Tank**

- 787 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank emissions are routed to the flare which is determined as MACT. [LAC 33:III.5109.A]

### **EQT524 Wastewater Streams**

## **SPECIFIC REQUIREMENTS**

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### **EQT524 Wastewater Streams**

- 788 Compliance with the appropriate HON wastewater requirements specified in 40 CFR 63.132-149 shall constitute compliance with the wastewater provisions of 40 CFR 63 Subpart PPP. [40 CFR 61.143]
- 789 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1) or (a)(1)(ii), and (a)(1)(iii).
- Subpart G. [40 CFR 63.132(a)(1)]
- 790 Determine total annual average concentration of Table 9 compounds according to the procedures in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 9 compounds. Subpart G. [40 CFR 63.132(c)]
- 791 Do not discard liquid or solid organic materials with a concentration of greater than 10,000 ppm of Table 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of 40 CFR 63.144(b)) from a chemical manufacturing process unit to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream. Subpart G. [40 CFR 63.132(f)]
- 792 Wastewater streams are hard-piped to the BASF Wastewater Treatment Plant. Refer to BASF Utilities Permit No. 2265-V4. [40 CFR 63.1433]
- 793 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. [40 CFR 63.147]

### **FUG014 CCU03 - CCU Facility Fugitives**

- 794 Source emits Class III TAP (chlorine) only. MACT is not required. [LAC 33:III.5109.A]

### **FUG015 PLY04 - Polyol Plant Fugitives**

- 795 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 796 Compliance with 40 CFR 63 Subpart H is considered MACT for compliance with LAC 33:III.Chapter 51. [LAC 33:III.5109]
- 797 Fugitive emissions of toxic air pollutants shall be controlled by a monitoring program complying with the applicable requirements of NESHAP for Equipment Leaks, 40 CFR 63 Subpart H, Phase III, as a measure under the Leak Detection and Repair (LDAR) Program, 40 CFR 63 Subpart PPP. [40 CFR 63.1434]
- 798 The LDAR program shall comply with applicable requirements of 40 CFR 63 Subpart PPP - National Emission Standards for Organic Hazardous Air Pollutants for Polyether Polyols Production, 40 CFR 63 Subpart PPP. [40 CFR 63.1434]
- 799 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
- 800 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 801 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- Which Months: All Year Statistical Basis: None specified

## **SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp

Activity Number: PER20050008

Permit Number: 24427-V1

Air - Title V Regular Permit Renewal

### **FUG015 PLY04 - Polyol Plant Fugitives**

802 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]

Which Months: All Year Statistical Basis: None specified

803 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]

804 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]

805 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]

806 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Subpart H. [40 CFR 63.163(e)(1)]

807 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.163(e)(2)]

808 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.163(e)(3)]

809 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Subpart H. [40 CFR 63.163(e)(4)]

Which Months: All Year Statistical Basis: None specified  
810 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.163(e)(6)(i)]

811 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.163(e)(6)]

812 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Subpart H. [40 CFR 63.163(e)]

Which Months: All Year Statistical Basis: None specified  
813 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Subpart V. [40 CFR 63.163(h)]

Which Months: All Year Statistical Basis: None specified

814 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Subpart H. [40 CFR 63.163(j)(1)]

815 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.163(j)(2)]

Which Months: All Year Statistical Basis: None specified

## **SPECIFIC REQUIREMENTS**

**AI ID:** 2049 - BASF Corp  
**Activity Number:** PER20050008  
**Permit Number:** 2427-V1  
**Air - Title V Regular Permit Renewal**

### **FUG015 PLY04 - Polyol Plant Fugitives**

- 816 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
- 817 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- 818 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
- 819 Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- 820 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- 821 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
- 822 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Subpart H. [40 CFR 63.164(i)(2)]
- Which Months: All Year Statistical Basis: None specified
- 823 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. [40 CFR 63.164]
- Which Months: All Year Statistical Basis: None specified
- 824 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
- Which Months: All Year Statistical Basis: None specified
- 825 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 826 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 827 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart V. [40 CFR 63.165(d)(2)]
- 828 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]
- 829 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 830 Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 2049 - BASF Corp

Activity Number: PER20050008

Permit Number: 2427-V1

Air - Title V Regular Permit Renewal

### FUG015 PLY04 - Polyol Plant Fugitives

831 Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]  
Which Months: All Year Statistical Basis: None specified

832 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]

833 Valves in gas/vapor service or light liquid service (Phase II, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f).  
Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]  
Which Months: All Year Statistical Basis: None specified

834 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]  
835 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(h)(3)]  
Which Months: All Year Statistical Basis: None specified

836 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]

837 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(h)(1)]

838 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.168(h)(2)]  
Which Months: All Year Statistical Basis: None specified

839 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.168(i)(1)]

840 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Subpart H. [40 CFR 63.168(i)(3)]  
Which Months: All Year Statistical Basis: None specified

841 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]  
Which Months: All Year Statistical Basis: None specified

842 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]

## **SPECIFIC REQUIREMENTS**

**AI ID:** 2049 - BASF Corp

**Activity Number:** PER200500008

**Permit Number:** 2427-V1

**Air - Title V Regular Permit Renewal**

### **FUG015 PLY04 - Polyol Plant Fugitives**

843 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3.

Subpart H. [40 CFR 63.170]

844 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]

Which Months: All Year Statistical Basis: None specified

845 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(d)(2)]

Which Months: All Year Statistical Basis: None specified

846 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]

847 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Subpart H. [40 CFR 63.173(d)(1)]

848 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Subpart H. [40 CFR 63.173(d)(2)]

849 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.173(d)(3)]

850 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Subpart H. [40 CFR 63.173(d)(4)]

Which Months: All Year Statistical Basis: None specified

851 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.173(d)(6)(i)]

852 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(d)(6)]

853 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Subpart H. [40 CFR 63.173(d)]

Which Months: All Year Statistical Basis: None specified

854 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Subpart H. [40 CFR 63.173(g)]

Which Months: All Year Statistical Basis: None specified

## **SPECIFIC REQUIREMENTS**

**All ID:** 2049 - BASF Corp

**Activity Number:** PER20050008

**Permit Number:** 2427-V1

**Air - Title V Regular Permit Renewal**

### **FUG015 PL Y04 - Polyol Plant Fugitives**

- 855 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.173(h)(1)]
- 856 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Subpart H. [40 CFR 63.173(h)(3)]
- Which Months: All Year Statistical Basis: None specified
- 857 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
- 858 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.173(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 859 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(f)]
- Which Months: All Year Statistical Basis: None specified
- 860 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 861 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- 862 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 863 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 864 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 865 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 866 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]

## **SPECIFIC REQUIREMENTS**

AI ID: 2049 - BASF Corp  
Activity Number: PER20050008  
Permit Number: 2427-V1  
Air - Title V Regular Permit Renewal

### **FUG015 PLY04 - Polyol Plant Fugitives**

867 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Subpart H. [40 CFR 63.174(f)(1)]  
868 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Subpart H. [40 CFR 63.174(f)(2)]

Which Months: All Year Statistical Basis: None specified

869 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(g)]

870 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(h)(2)]

871 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]

872 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

873 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H. [40 CFR 62.181]

874 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

875 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

876 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

### **FUG016 PLY09 - Solids Vents**

877 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1.-7. [LAC 33:III.1.305]

878 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

Which Months: All Year Statistical Basis: Six-minute average

### **GRP038 Polyol PlantCCU Pt**

879 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.11 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1.103]

880 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1.303.B]

881 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1.-5. [LAC 33:III.2113.A]

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#### GRP038 Polyol Plant/CCU Pt

882 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

883 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HR VOCs), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. [LAC 33:III.501.C.6]

884 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.211.3.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. [LAC 33:III.501.C.6]

885 Carbon monoxide <= 1.030 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

886 Nitrogen oxides <= 1.89 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

887 Particulate matter (10 microns or less) <= 8.80 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

888 Sulfur dioxide <= 0.02 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

889 VOC, Total <= 14.13 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

890 Ethylene glycol <= 0.13 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

891 Ethylene oxide <= 1.18 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

892 n-Hexane <= 0.25 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

893 Chlorobenzene <= 0.85 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

894 Propylene oxide <= 4.04 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

895 Toluene <= 2.45 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

896 Chlorine <= 0.13 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

897 Hydrochloric acid <= 4.00 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

898 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]

899 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

## **SPECIFIC REQUIREMENTS**

**AI ID:** 2049 - BASF Corp  
**Activity Number:** PER20050008  
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### **GRP038 Polyol Plant/CCU Pit**

- 900 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.51.05.A.3]
- 901 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 902 Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]
- 903 Submit Annual Emissions Report (TEDI). Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.51.07.A.2]
- 904 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 905 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 906 Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]
- 907 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance; or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]
- 908 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.51.07.B.4]
- 909 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 910 Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E. [LAC 33:III.51.09.A.2]
- 911 Compliance with requirements in 40 CFR 63 Subpart NNNNN is considered as compliance with LAC 33:III.51.09.A. [LAC 33:III.5109.A]
- 912 Submit to DEQ a certification of compliance with all ambient air standards, in accordance with LAC 33:III.51.09.E. [LAC 33:III.51.09.B.2]
- 913 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.51.09.B.3]

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### GRP038 Polyoil PlantCCU Pt1

- 914 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]
- 915 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 916 Compliance with 40 CFR 63 Subpart H is considered MACT for compliance with LAC 33:III.Chapter 51. [LAC 33:III.5109.]
- 917 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:1.701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 918 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 919 Obtain written authorization from DEQ before commencement of any modification specified in a compliance plan submitted pursuant to LAC 33:III.5109. [LAC 33:III.5111.A.3]
- 920 Submit letter: Due to the Office of Environmental Services, Permits Division concurrently with the submittal of the compliance plan. Indicate that the necessary permit modification (or new permit if no existing permit is in place) will be applied for by a date specified in the compliance schedule and request written authorization to construct, or, Submit permit application: Due to the Office of Environmental Services, Permits Division in accordance with LAC 33:III.5111.B, concurrently with the submittal of the compliance plan. [LAC 33:III.5111.A.3]
- 921 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 922 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.]
- 923 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]
- 924 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 925 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 926 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 927 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 928 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 929 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 930 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 931 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 932 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 933 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

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### **GRP038 Polyol Plant/CCU Pt**

- 934 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 935 Submit performance evaluation report. Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation report. [LAC 33:III.5113.C.2]
- 936 Submit notification in writing. Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 937 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 938 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 939 Submit report. Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 940 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 941 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 942 Submit plan. Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 943 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 944 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.511.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.511.F.1.f]
- 945 Activate the preplanned abatement strategy listed in LAC 33:III.561. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 946 Activate the preplanned abatement strategy listed in LAC 33:III.561. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 947 Activate the preplanned abatement strategy listed in LAC 33:III.561. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 948 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.561.1. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 949 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.561.1.A]
- 950 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.561.1.B]
- 951 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 952 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5903 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]

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- 953 Submit registration Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III, Chapter 59, whichever is later. Include the information listed in LAC 33:III, §911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division. [LAC 33:III.5911.A]
- 954 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 955 Submit Emission Inventory (EI)/Annual Emissions Statement Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 956 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 957 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 958 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 959 Owner or operator shall comply with control device requirements specified in 40 CFR 63.11. [40 CFR 63.11]
- 960 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart PPP. [40 CFR 63.1439(b)]
- 961 Comply with all applicable provisions of 40 CFR 63 Subpart PPP. [40 CFR 63]
- 962 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 963 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 964 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 965 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 966 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82 Subpart F]